

also gives the altitude of Weather Bureau anemometers above ground.

Following are the velocities of 50 miles and over per hour registered during the month:

Maximum wind velocities.

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Atlantic City, N. J.....	19	60	nw.	Nantucket, Mass.....	26	56	n.
Block Island, R. I.....	3	55	nw.	New York, N. Y.....	12	53	n.w.
Do.....	18	60	n.w.	Do.....	18	51	n.w.
Do.....	25	53	n.	Do.....	19	72	n.w.
Do.....	26	58	n.	Do.....	28	54	n.w.
Buffalo, N. Y.....	16	64	w.	Do.....	29	52	n.w.
Cape Henry, Va.....	25	51	n.w.	Point Reyes Light, Cal.	24	72	n.w.
Carson City, Nev.....	2	61	sw.	Port Huron, Mich.....	16	50	s.
Do.....	8	58	sw.	Portland, Oreg.....	12	52	s.
Cheyenne, Wyo.....	13	52	n.w.	Sacramento, Cal.....	8	60	se.
Chicago, Ill.....	16	52	w.	Do.....	4	54	se.
Do.....	20	53	s.	San Francisco, Cal.....	3	57	se.
Cleveland, Ohio.....	19	60	n.w.	Sioux City, Iowa.....	8	54	n.w.
Hatteras, N. C.....	25	56	n.w.	Do.....	15	50	n.w.
Miles City, Mont.....	15	60	n.w.	Do.....	24	50	n.w.
Milwaukee, Wis.....	9	50	ne.	Valentine, Nebr.....	15	58	n.w.
Mount Tamalpais, Cal.....	24	54	n.w.	Williston, N. Dak.....	16	60	n.
Do.....	23	53	n.w.	Winnemucca, Nev.....	3	50	s.
Do.....	31	53	n.w.	Do.....	4	53	s.
Nantucket, Mass.....	25	55	n.				

ATMOSPHERIC ELECTRICITY.

Numerical statistics relative to auroras and thunderstorms are given in Table IV, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month, respectively.

Thunderstorms.—Reports of 210 thunderstorms were received during the current month as against 266 in 1900 and 261 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country were most numerous were: 22d, 28; 23d, 35; 24th, 31.

Reports were most numerous from: Missouri, 36; Louisiana and West Virginia, 14.

Auroras.—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz, December 31, 1900, to January 8, 1901.

In Canada.—Auroras were reported as follows: Quebec, 22d; Swift Current, 21st, 22d; Banff, 7th; Prince Albert, 21st; Battleford, 21st, 22d, 23d, 24th.

DESCRIPTION OF TABLES AND CHARTS.

By ALFRED J. HENRY, Professor of Meteorology.

Table I gives, for about 145 Weather Bureau stations making two observations daily and for about 25 others making only one observation, the data ordinarily needed for climatological studies, viz, the monthly mean pressure, the monthly means and extremes of temperature, the average conditions as to moisture, cloudiness, movement of the wind, and the departures from normals in the case of pressure, temperature, and precipitation, the total depth of snowfall, and the mean wet-bulb temperatures. The altitudes of the instruments above ground are also given.

Table II gives, for about 2,700 stations occupied by voluntary observers, the highest maximum and the lowest minimum temperatures, the mean temperature deduced from the average of all the daily maxima and minima, or other readings, as indicated by the numeral following the name of the station; the total monthly precipitation, and the total depth in inches of any snow that may have fallen. When the spaces in the snow column are left blank it indicates that no snow has fallen, but when it is possible that there may have been snow of which no record has been made, that fact is indicated by leaders, thus (....).

Table III gives, for all stations that make observations at 8 a. m. and 8 p. m., the four component directions and the resultant directions based on these two observations only and without considering the velocity of the wind. The total movement for the whole month, as read from the dial of the Robinson anemometer, is given for each station in Table I. By adding the four components for the stations comprised in any geographical division the average resultant direction for that division can be obtained.

Table IV gives the total number of stations in each State from which meteorological reports of any kind have been received, and the number of such stations reporting thunderstorms (T) and auroras (A) on each day of the current month.

Table V gives a record of rains whose intensity at some period of the storm's continuance equaled or exceeded the following rates:

Duration, minutes.. 5 10 15 20 25 30 35 40 45 50 60 80 100 120
Rates pr. hr. (ins.).. 3.00 1.80 1.40 1.20 1.08 1.00 0.94 0.90 0.86 0.84 0.75 0.60 0.54 0.50

In the northern part of the United States, especially in the colder months of the year, rains of the intensities shown in the above table seldom occur. In all cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest rainfall of any single storm has been given, also the greatest hourly fall during that storm.

Table VI gives, for about 30 stations furnished by the Canadian Meteorological Service, Prof. R. F. Stupart, director, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Table XI gives the heights of rivers referred to zeros of gages.

NOTES EXPLANATORY OF THE CHARTS.

Chart I, tracks of centers of high areas, and Chart II, tracks of centers of low areas, are constructed in the same way. The Roman numerals show number and chronological order of highs (Chart I) and lows (Chart II). The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the 8 a. m. and 8 p. m., seventieth meridian time, observations. Within each circle is also given (Chart I) the highest barometric reading and (Chart II) the lowest pressure at or near the center at that time.

Chart III.—Total precipitation. The scale of shades showing the depth of rainfall is given on the chart itself. For isolated stations the rainfall is given in inches and tenths, when appreciable; otherwise, a "trace" is indicated by a capital T, and no rain at all, by 0.0.

Chart IV.—Sea-level pressure, temperature, and resultant surface winds. The wind directions on this Chart are the computed resultants of observations at 8 a. m. and 8 p. m., daily; the resultant duration is shown by figures attached to each arrow. The temperatures are the means of daily maxima and minima and are reduced to sea level. The pressures are the means of 8 a. m. and 8 p. m. observations, daily, and are reduced to sea level and to standard gravity. The reduction for 30 inches of the mercurial barometer, as for-

merly shown by the marginal figures for each degree of latitude, has already been applied.

Chart V.—Hydrographs for seven principal rivers of the United States.

Chart VI.—Surface temperatures; maximum, minimum, and mean. Lines of equal monthly mean temperature in red; lines of equal maximum temperature in black; and lines of equal minimum temperature (dotted) also in black.

Chart VII.—Percentage of sunshine. The average cloudi-

ness at each Weather Bureau station is determined by numerous personal observations during the day. The difference between the observed cloudiness and 100, it is assumed, represents the percentage of sunshine, and the values thus obtained have been used in preparing Chart VII.

Chart VIII.—West Indian monthly isobars, isotherms, and resultant winds.

Chart IX.—Total snowfall.

Chart X.—Depth of snow on ground at close of month.

TABLE I.—Climatological data for Weather Bureau Stations, January, 1901.

Stations.	Elevation of instruments.		Pressure, in inches.		Temperature of the air, in degrees Fahrenheit.						Precipitation, in inches.		Wind.		Maximum velocity.						
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Mean actual, S.S. m. + S.P.m. + S.	Mean reduced.	Departure from normal.	Mean max. + 2° mean min. - 2°	Departure from normal.	Mean maximum.	Date.	Mean minimum.	Date.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Total.	Departure from normal.	Days with .01, or more.	Total miles.	Miles per hour.	Direction.
							Mean max.	Departure from normal.	Maximum.		Mean minimum.			Mean wet thermometer.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with .01, or more.	Total miles.	Miles per hour.	Direction.
<i>New England.</i>																					
Eastport.....	76	69	74	29.83	29.93	- .08	25.2	- 0.5	19.5	—	19.5	—	2.47	- 1.6	20	10,873	n.w.	44	ne.	12	6.4
Portland, Me.....	108	81	117	29.81	29.93	- .13	21.3	- 1.2	21.3	47	25	20	14	14	18	10,119	n.w.	38	se.	13	7.1
Northfield.....	876	15	65	29.99	30.00	- .07	27.6	+ 0.6	50	9	34	19	13	19	80	3.43	- 0.3	13	12	5.9	
Boston.....	135	115	181	29.82	29.96	- .10	27.6	+ 0.6	49	16	37	20	20	20	25	8,997	n.w.	28	d.s.	19	7.8
Nantucket.....	12	48	88	29.94	29.95	- .08	31.5	+ 0.1	50	16	36	20	20	20	25	7.03	- 0.7	10	8,494	n.e.	56
Block Island.....	26	11	70	29.94	29.97	- .11	30.8	- 0.8	50	16	36	20	20	20	25	16,805	n.w.	60	n.w.	18	8.8
Narragansett.....	10	.....	.....	.....	.....	.....	27.7	- 1.1	51	9	36	20	20	20	25	8,116	n.w.	.....	.....	4.1	
New Haven.....	108	117	140	29.86	29.88	- .13	28.0	+ 0.5	49	16	35	20	20	20	25	7,372	n.w.	38	n.w.	19	6.3
<i>Mt. Allan. States.</i>																					
Albany.....	97	84	118	29.90	30.02	- .07	24.2	- 1.0	44	9	33	- 6	20	15	32	7.15	- 1.3	12	6,479	s.	33
Binghamton.....	875	79	90	29.87	30.05	- .07	25.2	+ 2.8	47	16	32	20	20	20	25	5,548	n.w.	28	n.w.	19	3.8
New York.....	314	108	350	29.66	30.01	- .10	31.5	- 1.0	53	16	37	4	20	20	25	7.07	- 2.0	12	13,187	n.w.	72
Harrisburg.....	374	94	104	29.74	29.95	- .08	31.0	+ 0.7	50	15	37	11	20	20	25	1.83	- 1.8	6	8,844	n.w.	38
Philadelphia.....	117	168	184	29.90	30.08	- .11	33.1	+ 1.1	59	16	39	8	20	20	25	2.47	- 0.9	10	8,261	n.w.	41
Scranton.....	805	111	119	29.19	30.04	- .06	27.6	- 1.0	50	16	35	1	20	20	25	8,301	n.e.	34	n.w.	19	6.8
Atlantic City.....	59	68	76	29.96	30.02	- .09	33.6	+ 1.1	56	9	40	7	20	20	25	9,270	n.w.	10	14	4.8	
Cape May.....	17	47	51	30.03	30.05	- .07	33.9	- 0.5	55	9	39	7	20	20	25	2.29	- 0.4	6	5,549	n.w.	38
Baltimore.....	128	68	82	29.90	30.04	- .10	34.9	+ 0.9	64	16	42	14	20	20	25	3.45	- 0.9	6	3,792	w.	34
Washington.....	112	59	76	29.93	30.06	- .10	34.4	+ 1.2	66	16	42	18	4	27	31	9,024	n.w.	38	n.w.	20	5.7
Cape Henry.....	5	88	88	29.80	30.06	- .09	41.6	+ 1.6	74	11	49	32	20	20	25	2.80	- 1.9	9	11,255	s.	51
Lynchburg.....	681	81	88	29.80	30.06	- .09	38.3	+ 1.5	68	9	47	16	20	20	25	8,59	- 0.4	8	7,495	n.w.	32
Norfolk.....	91	102	111	29.96	30.06	- .08	41.3	+ 0.8	74	11	48	21	20	20	25	2.80	- 1.7	9	7,495	n.w.	46
Richmond.....	144	68	90	.....	.....	.....	38.8	- 0.5	68	9	47	18	20	20	25	4,165	n.w.	25	n.w.	19	5.0
<i>S. Atlantic States.</i>							46.6	0.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Charlotte.....	773	68	76	29.25	30.10	- .05	41.6	+ 0.4	69	11	50	22	18	33	26	36	30	68	5,886	ne.	33
Hatteras.....	11	17	36	30.04	30.03	- .08	45.4	- 0.8	68	11	50	29	20	20	25	2.90	- 3.0	15	13,449	n.e.	66
Kittyhawk.....	8	12	30	.....	.....	.....	43.6	+ 1.2	68	11	49	27	20	20	25	1.96	- 3.2	9	11,497	n.e.	30
Raleigh.....	376	93	101	29.68	30.10	- .05	41.6	+ 0.8	75	11	51	20	20	20	25	2.20	- 1.4	10	5,069	n.w.	30
Wilmington.....	78	82	90	30.00	30.09	- .05	45.8	- 1.1	73	11	55	25	20	20	25	3.48	- 1.5	10	7,218	n.w.	42
Charleston.....	48	14	92	30.07	30.13	- .03	49.9	- 0.1	72	10	57	31	28	25	44	8.86	- 0.5	10	8,836	n.w.	37
Columbia.....	5	.....	.....	.....	.....	.....	45.8	+ 0.1	75	11	50	25	20	20	25	3.34	- 0.5	10	5,312	n.w.	28
Augusta.....	180	89	108	29.91	30.11	- .08	46.7	+ 0.1	73	11	50	28	19	37	40	5.26	+ 0.4	9	6,369	n.w.	28
Savannah.....	65	79	89	30.04	30.11	- .06	51.8	+ 0.8	74	11	60	32	28	25	41	7.73	- 0.6	10	5,906	n.w.	37
Jacksonville.....	43	69	84	30.07	30.12	- .02	54.2	- 1.0	76	10	64	32	19	45	27	4.64	- 0.6	10	5,906	n.w.	27
<i>Florida Peninsula.</i>							66.2	- 0.5	.....	.....	.....	.....	.....	.....	.....	5.26	- 0.5	10	8,079	n.w.	30
Jupiter.....	28	13	55	30.05	30.08	- .08	64.8	- 0.9	82	12	73	41	19	58	26	5.85	+ 4.8	13	8,836	s.	34
Key West.....	22	43	50	30.07	30.09	- .03	68.1	- 1.6	83	3	72	55	19	64	14	5.96	- 1.8	8	5,365	n.e.	36
Tampa.....	34	60	67	30.08	30.13	- .02	59.6	+ 0.9	82	1	68	37	19	51	29	5.00	- 1.4	7	5,365	n.w.	26
<i>East Gulf States.</i>							61.2	+ 1.4	.....	.....	.....	.....	.....	.....	.....	4.66	- 0.6	10	9,523	n.w.	45
Atlanta.....	1,174	139	156	28.86	30.14	- .04	44.2	+ 1.7	66	11	52	23	18	36	38	5.95	+ 0.2	13	9,523	n.w.	27
Macon.....	870	93	99	.....	.....	.....	47.0	- 0.7	72	11	57	28	18	37	31	5.53	- 0.5	9	5,418	n.w.	28
Pensacola.....	56	78	90	.....	.....	.....	58.2	+ 0.7	71	20	60	31	24	34	36	3.18	- 1.5	11	7,210	n.w.	30
Mobile.....	57	88	96	30.10	30.16	- .01	51.5	- 1.0	70	18	80	33	18	43	28	4.75	- 0.6	11	5,447	n.w.	30
Montgomery.....	293	100	113	29.90	30.14	- .03	49.4	- 1.1	70	9	59	20	18	40	48	3.86	- 1.8	10	4,326	n.w.	29
Meridian.....	375	84	93	.....	.....	.....	48.2	+ 1.2	71	10	59	21	18	31	38	3.86	- 2.0	10	4,326	n.w.	29
Vicksburg.....	247	65	76	29.87	30.14	- .02	51.3	+ 4.0	72	9	60	29	18	32	45	8.57	+ 8.0	8	5,652	n.w.	40
New Orleans.....	51	88	121	30.10	30.16	- .04	55.6	+ 1.8	75	16	64	38	16	47	50	4.54	- 0.9	10	6,456	n.w.	30
Port Eads.....	27	.....	.....	.....	.....	.....	52.6	+ 5.9	73	9	64	36	18	46	25	2.03	- 2.3	10	.....	.....	5
<i>West Gulf States.</i>							56.1	- 1.6	71	8	60	26	20	12	42	1.66	- 1.8	7	5,116	n.w.	5.4
Shreveport.....	249	77	84	29.89	30.16	- .01	51.4	+ 5.5	71	8	60	26	20	12	42	8.89	- 1.7	6	5,614	s.	34
Fort Smith.....	457	79	94	29.63	30.18	- .03	45.4	- 9.3	72	21	55	20	1	36	34	6.01	- 1.4	4	6,301	c.	36
Little Rock.....	357	98	100	29.75	30.15	- .02	47.0	+ 6.2	71	5	66	23	18	31	37	5.27	- 2.8	7	6,481	n.w.	36
Corpus Christi.....	18	42	50	30.19	30.14	- .01	57.8	- 2.8	76	20	64	32	1	52	51	8.75	- 2.1	7	7,094	se.	28
Fort Worth.....	670	106	114	29.41	30.14	- .04	50.8	.....	80	15	63	17	1	39	42	8.89	- 0.8	2	8,951	sw.	36
Galveston.....	54	106	112	30.07	30.12	- .00	57.1	+ 4.4	72	24	62	40	3	52	16	5.57	- 1.39	8	9,084	se.	33
Palestine.....	510	73	78	29.80	30.16	- .01	52.8	- 9.0	72	22	62	27	1	44	33	6.14	- 2.3	8	6,580	s.	34
San Antonio.....	701	67	77	29.39	30.15	- .02	56.4	- 4.9	80	29	66	26	1	47	32	7.44	- 0.4	4	4,357	s.	20
<i>Ohio Val. & Tenn.</i>							36.1	- 1.8	65	8	45	14	1	30	24	2.37	- 1.8	6	5,385	n.w.	21
Chattanooga.....	762	106	113	29.33	30.17	- .01	41.6	- 0.6	67	15	50</td										

TABLE I.—*Climatological data for Weather Bureau Stations, January, 1901—Continued.*

NOTE.—The data at stations having no departures are not used in computing the district averages.

TABLE II.—Climatological record of voluntary and other cooperating observers, January, 1901.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Alabama.</i>						<i>Arizona—Cont'd.</i>						<i>California—Cont'd.</i>					
Ashville.....	67	23	43.2	5.78	Ins.	Showlow.....	60	10	48.6	2.52	T.	Fordyce Dam.....	60	35	50.6	11.22	Ins.
Benton.....						Signal.....						Fort Ross.....	67	35	50.6	7.70	
Bermuda.....	75	24	49.6	3.22		Silverking.....						Fort Tejon.....				1.81	
Birmingham.....	68	25	46.6	5.00		Strawberry.....	61	0	37.0	3.14	T.	Georgetown.....	64	19	43.0	10.40	0.5
Bridgeport.....						Supal.....	68	15	41.1	0.39		Gilroy (near).....	73	23	50.6	1.92	
Burkville.....						Tombstone.....	70	19	48.1	0.89		Glendora.....				4.03	
Calera.....						Tonto.....	68	16	46.2	2.48		Goshen.....				3.77	
Camp Hill.....	72	24	48.0	3.90		Tuba.....	57	3	34.0	0.83		Grand Island* ⁶	60	30	46.6	3.70	
Citronelle.....	73	29	52.8	5.53		Tucson.....	76	19	51.0	1.15		Grass Valley.....				13.15	3.0
Clanton.....	69	25*	46.4	7.33		Vail* ¹	74	30	52.8	0.16		Greenville.....	59	-7	32.2	8.09	76.0
Daphne.....	74	31	52.8	2.74		Walnut Grove.....						Hanford.....	67	25	45.0	3.15	
Decatur.....	60	19	48.0	5.47		Willcox* ¹	65	15	36.9	1.75		Healdsburg.....	68	24	47.0	9.46	
Demopolis.....						Yarnell.....						Hollister.....	67	19	48.8	2.27	
Elba.....	73	20	49.2	4.43		<i>Arkansas.</i>						Indio* ¹	76	23	51.0	0.29	
Eufaula* ¹	75	24	47.2	4.28		Amity.....	71	20	46.2	1.50	T.	Iowa Hill* ¹	63	27	44.5	9.94	1.2
Eufaula c.....						Arkadelphia.....	73	21	48.2	2.54	T.	Irvine.....	64	32	65.5	3.64	
Eutaw.....	70	27	47.4	3.26		Batesville.....	74	19	44.8	1.21		Jackson (near).....	62	20	42.2	7.13	0.5
Evergreen.....	70	25	46.4	5.39		Beebranch.....	78 ⁶	17 ⁶	45.8 ⁶	1.60		Jolon.....				4.84	
Florence a.....						Blanchard Springs.....	73	21	48.4	3.15		Keene* ¹	62	27	43.6	0.89	
Florence b.....	68	20	48.2	5.66		Brinkley.....						Kent.....				9.06	
Gadsden.....	70	23	44.8	5.56		Camden a.....	73	23	45.9	4.40		Kernville.....				1.35	
Goodwater.....	68	22	45.0	7.11		Camden b.....	73	24	49.2	4.10		Kingsburg* ¹	67	29	50.8	0.23	
Greensboro.....	72	23	47.9	4.34		Conway.....	73	19	47.6	1.21		Kono Tayee.....	62	30	45.2	5.57	T.
Greenville.....						Corning.....	69	18	40.1	0.92	T.	Lamesa.....				2.82	
Healing Springs.....	75	23	46.4	4.89		Dallas.....						Laporte* ¹	48	8	81.9	17.25	98.5
Helena.....						Dardanelle.....						Las Fuentes Ranch.....				4.37	
Highland Home.....	70	27	49.8	4.79		Elon.....	76	21	48.2	1.18		Legrand.....	65	25	45.5	2.49	
Letohatchee.....						Fayetteville.....	69	11	40.8	4.89	T.	Lemoncove.....	70	28	48.4	5.42	
Livingston a.....	70	21	40.8	2.28		Fulton.....						Lemoore* ¹	64	34	46.4	2.27	
Lock No. 4.....	66	23	43.8	11.72		Hardy.....	68	16	41.8	1.03		Lick Observatory.....	60	20	38.7	5.76	2.6
Madison Station.....	68	20	42.5	5.77		Helena a.....	71	23	47.0	2.77		Lodi.....	58	28	46.0	2.42	
Maplegrove.....	69	21	40.6	8.59		Helena b.....	71	23	47.0	2.53	T.	Los Gatos* ¹	65	30	49.1	8.96	
Marion.....	72	25	50.8	4.20		Hot Springs* ¹						Mammoth* ¹	75	30	54.0	0.50	
Mount Willing.....	70	27	49.8	6.09		Jonesboro.....	70	21	45.6	1.82		Manzana.....	63	20	44.6	3.20	T.
Newbern.....	70	25	47.8	8.71		Keesees Ferry.....	72	12	42.8	1.10		Merced b.....	65	24	46.1	1.50	
Newburg.....	65	....	....	5.03		Lacrosse.....	70	15	48.0	1.51		Mills College.....				6.08	
Newton.....	70	25	46.7	4.82		Lonoke.....	73	20	46.8	2.75		Milo.....				6.09	
Notasulga.....						Lutherville.....	70	18	44.5	1.42		Milton (near).....	75	31	51.0	1.55	
Oneonta.....	70	21	48.1	6.76		Marianna.....	70	21	44.9	2.85		Mohave* ¹	60	20	42.2	0.73	
Opelika.....	65	28	45.7	9.59		Marvell.....	71	22	51.8	2.54		Mokelumne Hill* ¹				4.04	
Oxanna.....	70	24	46.2	4.64		Mossdale.....	65	7	41.0	0.85		Monterio.....	68	22	45.8	3.81	
Pineapple.....	72	23	49.9	4.75		Mount Nebo.....	65	19	42.4	2.17		Monterey* ¹	69	25	52.3	3.48	
Prattville.....	72	23	49.5	....		New Gascony.....	70	21	47.8	3.41		Morena.....	68	20	45.8	2.25	
Pushmataha.....	72	27	49.6	4.75		Newport a.....						Mountainview.....				2.49	
Riverton.....	70	20	40.8	5.60		Newport b.....	70	20	45.0	3.42		Mutah.....				7.00	
Scottsboro.....	65	20	40.8	4.95		Newport c.....	71	20	43.6	2.79	T.	Napa.....	63	25	46.0	4.86	
Selma.....	74	....	....	2.74		North Bloomfield.....						Needles.....	75	30	48.4	0.00	
Talladega.....	69	20	41.9	5.62		North O. Rico.....						Nevada City.....	64	17	41.2	11.52	
Tallasee.....				6.44		North San Juan* ¹	61	18	48.2	1.71		Newhall* ¹	72	17	46.4	5.13	
Thomasville.....	72	28	48.5	3.25		Northgate.....						Niles* ¹	66	24	52.5	3.31	
Tuscaloosa.....	68	24	45.0	4.67		North San Juan* ¹	61	18	48.2	1.71		North Bloomfield.....	69	18	42.0	7.73	5.0
Tuskegee.....	71	21	47.6	5.45		Northgate.....	75	19	45.9	1.50		North O. Rico.....	70	26	49.8	5.33	
Union Springs.....	70 ^b	27 ^b	47.7 ^b	4.85		Prescott.....	72	23	48.8	2.92		North San Juan* ¹	61	18	48.2	11.97	2.0
Uniontown.....	73	27	49.0	5.28		Rison.....	78	19	52.3	3.83		Oakland.....	61	32	49.5	6.44	
Valleyhead.....	67	19	41.2	5.08		Rosadale.....	71	21	49.0	0.82		Ogilby* ¹	77	35	52.0	0.19	
Verbena.....				5.42		Silversprings.....	68	21	45.1	1.71		Oleta* ¹	62	24	43.3	6.13	T.
Wetumpka.....	71	25	47.5	5.07		Spierville.....	75	19	45.9	1.50		Orland* ¹	65	24	41.2	5.23	1.0
<i>Arizona.</i>						Stuttgart.....	73	21	46.6	2.97		Palermo.....	63	20	45.0	5.23	
Allaire Ranch.....				1.00		Texarkana.....	71 ^c	20 ^c	48.7 ^c	2.17		Paso Robles* ¹	68	17	46.8	6.11	
Arivaca.....	74	25	49.9	1.55		Warren.....	74	23	48.2	4.06		Peachland* ¹	64	26	47.0	8.16	
Arizona Canal Co. Dam.....	75	26	52.8	1.05		Washington.....	71	24	49.0	2.41		Pilot Creek.....				14.26	19.0
Aztec* ¹	76	27	55.8	0.21		Wiggs.....	69	19	45.9	1.94		Pine Crest.....	72	39	54.5	5.82	
Benson* ¹	73	25	47.6	0.74		Winchester.....	72	13	45.5	3.64		Placerville.....	60	16	43.0	9.95	
Bisbee.....	69	22	46.5	1.72		Wimslow.....	70	7	40.6	2.04		Point Lobos.....	59	38	49.2	5.35	
Buckeye.....	79	18	53.4	0.80		Witts Springs* ⁵	68 ^d	9 ^d	42.7 ^d	1.93		Pomona (near).....	76	23	51.0	2.89	
Camp Creek* ¹	68	25	49.9	1.45		<i>California.</i>						Poway* ⁶	77	28	58.2	2.23	
Casagrande* ¹	74	34	56.1	0.84		Angiola.....	70	15	46.0	2.71		Quincy.....	48	-11	81.0	11.08	46.2
Champi Camp.....	80	20	54.3	1.70		Bear Valley.....						Ranch House.....				8.88	
Coochise* ¹	72	26	42.0	0.69		Berkeley.....	59	32	48.8	5.88		Raymond.....				7.49	
Congress.....	70	28	52.7	0.91		Bishop.....	57	6	36.3	4.89		Redding.....	70	26	44.0	6.88	8.2
Dragoon Summit* ¹	55	23	42.3	0.69		Boca* ⁶	52	-26	24.6	7.17	43.5	Redlands.....	74	26	51.0	2.25	
Dudleyville.....	75	15	49.3	2.58		Bodie.....	44	-26	15.7	7.39	78.0	Reedly.....	71	26	48.3	4.83	
Fort Apache.....	60	9	41.2	2.87		Bowman.....						Reprey.....	62	26	47.2	5.01	
Fort Defiance.....	54	-6	32.9	1.40		Branscomb.....						Riovista.....	59	26	45.8	3.61	
Fort Grant.....	79	19	49.6	2.05		Cedarville.....	64	-13	29.6	3.15	24.5	Riverside.....	76	33	53.1	2.67	
Fort Huachuca.....	72	20	48.2	1.70		Chico* ¹	70	28	47.6	4.60		Rosewood.....	69	16	40.9	9.17	11.5
Fort Mohave.....	78 ^d	22 ^d	51.8 ^d	0.35		Cisco* ¹	43	3	39.1	10.95	92.0	Sacramento.....	59	25	45.6	4.18	
Gilabend* ¹	71	26	51.0	0.15		Claremont.....	72	23	49.4	4.48		Salinas* ¹	60	28	50.8	1.69	
Inglese.....	78	22	52.6	0.59		Corning* ¹	64	26	46.6	6.09	1.5	Salton* ¹	77	31	50.8	0.20	
Jerome.....	60	19	44.0	1.10		Craftonville.....	77	27	50.6	2.60		San Bernardino.....	79	18	50.6	3.45	
Maricopa* ¹	70	20	44.3	0.75		Crescent City.....	70	30	46.2	10.67		San Jacinto.....	71	24	48.8	2.88	
Mess.....	75	23	52.4	0.68		Cuyamaca* ⁵	54	11	36.1	8.17	1.0	San Leandro* ⁵	68	27	47.4	4.45	
Mohawk Summit* ¹	77	35	56.8	0.10		Delano* ¹	67	24	48.8	1.70		San Mateo* ¹	58	29	47.2	3.95	
Mount Huachua.....	70	23	47.3	2.85		Delta* ¹	63	26	41.6	13.43	55.0	San Miguel* ¹	64	18	46.2	8.12	</td

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>California—Cont'd.</i>							<i>Colorado—Cont'd.</i>							<i>Georgia—Cont'd.</i>						
Stockton	58	58	41.9	1.89	2.66		Twinlakes	○	○	○	Ins.	13.0		Columbus	○	○	○	Ins.	Ins.	
Storey	62	58	45.6	2.00			Villas	.....	.....	.....	0.82	.....		Covington	69	28	46.1 ^r	3.84	
Summerdale	63	11	37.1	24.46	20.0		Wagon Wheel	42	-37	8.9	0.97	15.0		Dahlonega	64	13	39.6	6.34	T.	
Susanville	46	8	28.2	4.76	40.0		Walden	44	-35	18.7	0.14	3.2		Diamond	61	15	39.6	7.25	T.	
Tehama ¹	62	31	45.5	6.01	1.0		Wallet	.....	.....	.....	0.06	1.0		Dublin	.....	.....	.....	4.06	
Tejon Ranch	76	23	54.6	1.28			Westcliffe	52	-15	25.0	1.55	14.6		Elberton	67	24	45.8	4.16		
Templeton ¹	70	23	45.8	9.10			Wray	68	-19	29.6	T.	T.		Fitzgerald	78	24	48.9	8.33	T	
Thermalito	62	35	45.2	6.80			Yuma	.....	.....	.....	T.	T.		Fleming	78	24	49.7	4.82	
Truckee ¹	42	-18	24.1	5.00	50.0		<i>Connecticut.</i>							Fort Gaines	72	27	48.6	4.22		
Tulare b	.....	.....	3.20				Bridgeport	51	-2	28.8	2.12	6.1		Franklin	66	26	46.8	5.83	
Tulare c	74	23	48.0	3.27			Canton	48	-10	24.3	1.54	5.5		Gainesville	61	23	41.6	6.02		
Ukiah	68	19	44.4	11.52		0.5	Colchester	48	-7	26.4	1.83	6.0		Gillsville	66	21	44.2	6.44		
Upperlake	75	23	45.2	5.44			Falls Village	.....	.....	.....	1.48	6.9		Greenbush	63	19	41.4	6.79	
Upper Mattole ¹	73	26	44.8	18.11			Hartford b	46	-2	26.8	1.91	6.0		Harrison	72	25	48.4	3.51		
Vacaville ¹	62	27	46.1	4.68			Hawleyville	49	-7	26.6	1.89	6.0		Hawkinsville	72	27	47.1	4.61		
Ventura	73	35	55.4	4.21			Lake Konomoc	52	-7	26.9	1.74	8.2		Hephzibah	72	28	47.9	5.00		
Visalia b	70	21	47.4	4.18			Middletown	52	-7	26.9	1.55	6.2		Jesup	71	27	49.9	4.73		
Volcano Springs ¹	79	24	53.5	0.59			New London	49	-9	24.7	2.01			Louisville	73	25	46.8			
Wasco	69	20	47.0	1.00			North Grosvenor Dale	50	-6	27.1	1.81	6.8		Lumpkin	72	28	49.4	4.35		
Westpoint	.....	.....	7.66	1.5			Norwalk	51	-6	26.7	1.81	6.8		Marshallville	72	28	49.6	4.53	
West Saticoy	58	23	44.2	5.46			Southington	48	-6	26.6	1.60	8.8		Maury	75	21	51.4	5.56		
Wheatland	58	23	44.2	5.46			Storrs	46	-8	24.3	2.17	8.5		Millen	75	25	48.8	3.67		
Williams ¹	65	31	49.0	3.45			Wallingford	48	-7	26.0	2.34	5.5		Monticello	73	20	48.2	3.49		
Wilmington ¹	78	23	49.4	3.03			Waterville	49	-5	26.9	1.78	4.5		Morgan	80	23	51.0	5.80		
Wire Bridge ¹	63	21	44.2	7.16			West Cornwall	46	-9	23.5	1.52	5.4		Naylor	65	24	42.7	6.10		
Yreka	46	23	27.2	8.12	74.0		West Simsby	.....	.....	.....	1.41	5.5		Newman	.....	.....	.....	6.28	
Yuba City ¹	63	27	48.0	4.83			<i>Delaware.</i>							Oakdale	75	27	51.4	2.83		
<i>Colorado.</i>							Milford	68	11	31.9	3.11			Piscata	75	22	42.2	7.35		
Alford	60	-30	28.6	0.29	3.5		Millsboro	64	6	32.2	3.05	2.0		Point Peter	69	22	43.2	4.08		
Antelope Springs	45	-45	10.2	1.13	17.0		Newark	56	8	30.5	2.54	10.0		Poulan	70	22	49.2	3.94		
Arkans.	.....	.....	0.21	3.0			Seaford	60	11	35.0	3.44	5.0		Putnam	71	28	49.5	3.49	
Blaine	83	-17	36.7	0.23	3.4		<i>Wyoming.</i>	.....	.....	.....	2.58	5.0		Quitman	81	22	50.4	4.78	
Boulder	69	-8	36.4	0.53	7.5		<i>District of Columbia.</i>							Ramsey	65	18	42.1	6.48		
Boxelder	.....	.....	0.19	2.0			Distributing Reservoir ¹	60	15	34.3	2.38			Resaca	.....	.....	.....	6.14	
Breckenridge	39	-30	9.1	2.88	38.2		Receiving Reservoir ¹	60	12	33.8	2.62			Rome	66	22	42.2	7.35		
Buenavista	.....	.....	0.25	4.0			West Washington	69	12	33.7	2.99	7.3		Statesboro	73	23	48.2	3.14	
Canyon	65	-24	38.8	0.37	5.0		<i>Florida.</i>							Talbotton	71	24	47.8	3.27		
Castlerock	59	-23	31.2	0.25	3.0		Archer	81	26	54.8	3.11			Tallapoosa	64	22	48.8	5.70		
Cedaredge	56	-7	28.6	0.73	3.2		Bartow	83	30	59.2	1.07			Thomasville	74	21	51.2	4.90		
Cheyenne Wells	64	-17	30.0	0.15	1.0		Brooksville	79	32	55.8	2.04			Toccoa	74	19	51.5	6.67		
Clearview	48	-17	24.9	0.81	13.0		Carrabelle	72	20	54.2	2.02			Valona	74	27	51.5	5.81		
Collbran	45	-15	23.4	0.88	14.2		Clermont	84	25	58.4	1.03			Vidalia	75	27	48.9	3.96		
Colorado Springs	62	-19	33.0	0.06	1.5		Dalkeith	76	26	53.3	4.51			Washington	74	27	50.0	3.37		
Cope	60	-15	30.0	0.07	1.0		De Funik Springs	74	25	52.6	3.87			Waycross	77	29	50.0	4.53		
Crook	72	-17	29.9	0.00			Deland	85	25	56.9				Waynesboro	73	21	44.7	3.12		
Delta	60	-10	27.8	0.57	5.0		Earnestville	82	36	59.0	2.75			Westpoint	68	25	46.7	5.47		
Dumont	.....	.....	0.45	7.0			Federal Point	79	29	55.4	2.97			Woodbury	.....	.....	.....	6.06	
Durango	55	-15	21.2	0.41	7.0		Fort George ¹	76	38	54.6				<i>Idaho.</i>						
Fort Collins	62	-23	28.7	0.19	2.0		Fort Meade	83	39	60.0	1.16			Albion	58	-23	28.0	1.11	4.0	
Fort Morgan	59	-23	26.4	0.05	0.8		Gainesville	83	34	63.0				American Falls	51	-2	27.6	0.94		
Fox	.....	.....	0.05	0.5			Huntington	81	27	56.7	2.19			Atlanta	41	-8	23.6	3.84	48.0
Gilman	.....	.....	2.15	37.0			Hypoluxo	91	41	67.1	9.62			Blackfoot	48	-21	25.8	0.90	0.5
Glenayrie	58	-13	38.3	0.88	3.8		Inverness	83	25	55.7	1.67			Burnside	87	-15	18.1	1.40	13.0	
Greeley	60	-24	27.0	0.22	8.5		Jasper ¹	82	27	53.5	8.88			Challis	92	-12	24.7	1.18	10.0	
Grover	.....	.....	T.	T.			Kingsmee	81	21	61.4	0.32			Chesterfield	44	-20	18.0	0.91	8.0
Gunnison	38	-32	14.4	0.88	5.9		Lake Butler	82	25	54.8	1.52			Downey	45	5	29.6	0.90	T.	
Hamps.	68	-24	39.2	0.34	5.5		Lake City	80	25	54.7	3.95			Forney	48	-18	21.4	1.53	13.5	
Hochne.	67	-23	33.6	0.18	2.0		McAlpin	85	23	54.6	4.30			Garnet	55	11	35.6	0.51	T.	
Holly.	69	-12	32.2	0.20	2.0		Macclellany ¹	77	23	58.0	3.63			Hagerman	54	8	38.7	0.74	0.3	
Holyoke (near)	70	-23	26.8	0.06	0.8		Manatee	82	36	58.9	1.94			Hailey	44	-17	24.5	4.17	42.5	
Hugo	.....	.....	0.18	3.0			Marco	87	42	65.5	0.25			Kootenai	42	1	19.8	3.03	37.0
Husted	62	-24	29.4	0.25	4.5		Marianna	75	25	51.3				Lake	40	-12	19.0	3.60	26.0	
Lake Moraine	48	-15	28.5	1.05	13.8		Merritt Island	82	40	61.3	1.10			Lakeview	48	6	29.0	3.51	32.0	
Lamar	73	-17	32.3	0.40	4.0		Micanopy	82	25	56.6	3.13			Lot River	40	-23	14.6	1.54	17.0	
Laporte.	.....	.....	0.05	1.0			Middleburg	80	25	51.9	3.21			Moscow	46	7	28.7	2.93	
Las Animas	70	-20	31.6	0.28	3.0		Myers	84	39	60.8	0.50			Murray	48	6	25.8	4.65	27.0	
Lay.	47	-20	20.0	0.70	11.5		Nocatee	85	31	60.6	1.08			Oakley	56	-1	31.0	0.5	2.0	
Leadville (near) ¹	42	-16	16.1	1.03	14.8		Ocalia	87	26	57.0	2.09			Ola	45	6	31.3	2.82	14.3	
Leroy	62	-13	29.8	0.06	0.8		Stephensville ¹	79	27	52.4	2.09			Paris	50	-11	20.8	0.66		
Longs Peak	48	-20	23.4	0.69	11.0		Allendale	77												

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>Illinoian—Cont'd.</i>																				
Danville	0	— 4	28.8	1.36	0.8	<i>Ins.</i>	<i>Ins.</i>	Knightstown	0	— 10	29.2	1.76	7.3	<i>Iowa—Cont'd.</i>	0	— 6	27.6	0.98	2.7	
Decatur	57	— 5	30.6	1.78	3.9			Kokomo	55	— 4	32.0	1.10	2.9	Eldon	58	— 6	27.6	0.98	2.7	
Dixon	54	— 9	24.9	1.09	7.0			Lafayette	56	— 7	28.0	1.96	2.1	Elkader	51 ^c	— 21	20.9	0.91	9.0	
Dwight	54	— 9	26.2	1.60	7.0			Laporte	54	— 5	26.0	2.75	14.0	Emerson	46	— 17	17.8	0.29	2.9	
Effingham	62	3	33.0	1.38	2.0			Logansport	54	— 4	28.8	1.30	2.6	Fayette	46	— 17	20.5	1.10	10.1	
Equality	66	13	38.4	0.65	T.			Madison ^a	63	9	31.2	1.02	0.5	Fonda	45	— 8	19.4	0.90	9.0	
Flora	64	7	34.8	0.86	0.4			Madison ^b	63	9	31.2	0.92	.....	Forest City	45	— 8	19.4	0.90	9.0
Friendsgrove ^{*5}	68	— 10	38.8	1.60	.....			Marengo	65	9	34.4	1.94	0.5	Fort Dodge	48	— 8	22.0	0.85	8.5
Galva	56	— 5	26.2	1.13	4.0			Marion	55	— 6	28.2	1.27	5.1	Fort Madison	55	— 6	29.5	1.30	1.0	
Grafton				1.78	0.5			Markle	54	— 10	27.2	0.67	6.5	Fruitland	55	— 8	25.7	0.50	5.0	
Grayville	62	14	36.6	1.82	1.0			Mauzy	59	— 7	29.6	1.67	6.0	Galva	49 ^c	— 4	28.4 ^c	0.29	2.2	
Greenville	67	4	34.4	1.40	1.0			Mount Vernon	66	13	36.4	1.89	.....	Gilmor	55	— 5	28.8	0.82	8.2
Griggsville	63	0	32.0	2.06	2.2			Northfield	57	— 12	27.0	1.37	5.0	Grand Meadow	46	— 8	20.9	0.04	9.5	
Hallway	64	11	37.6	1.37	T.			Paoli	63	8	34.4	0.97	1.5	Greene	53	— 8	25.8	0.41	8.8	
Halliday	66	11	38.1	1.25	.....			Perry	54	— 6	29.0	1.65	4.6	Greenfield	49	— 3	24.3	0.75	.....
Havana	61	— 2	31.0	2.54	2.0			Prairie Creek	60 ^a	3	32.4 ^a	0.79	2.0	Grinnell	48	— 7	23.4	1.01	10.5	
Henry	57	— 5	27.8	1.45	8.8			Princeton	64	12	33.8	1.25	1.0	Grundy Center	47	— 9	22.1	0.75	7.5	
Hillsboro	62	0	32.2	1.92	0.7			Rensselaer	55	— 8	27.8	2.10	7.0	Guthrie Center	51	— 6	29.6	1.10	11.0	
Joliet	54	— 12	24.8	1.88	8.2			Richmond	58	— 15	30.0	1.67	5.0	Hamburg	.....	— 6	.....	0.30	3.0
Kishwaukee	51	— 15	23.6	1.41	11.0			Rockville	60	— 3	29.6	1.10	2.0	Hampton	50	— 9	23.5	1.01	10.3	
Knoxville	66	— 7	26.6	1.11	2.0			Salem	65	8	34.4	1.05	.....	Harlan	50	— 9	23.5	0.38	3.1
Lagrange	55	— 12	24.2	1.45	8.5			Scottsburg	64	12	34.8	0.95	0.5	Hawkeye	52 ^c	0 ^b	26.6 ^c	1.05	5.5	
Laharpe	57	— 1	29.0	1.17	1.0			Seymour	59	5	31.7	1.40	4.0	Hedrick	53	— 2	26.2	0.60	.....
Lanark	46	— 17	33.4	0.90	11.0			Shelbyville	63	2	31.9	2.58	8.0	Hoperville	49 ^c	— 7	20.8	0.82	8.2	
Loami				1.87	2.0			South Bend	53	— 5	26.2	2.51	18.5	Humboldt	43	— 9	22.3	0.09	0.9	
McLeansboro	64	11	36.2	1.41	.....			Syracuse	51 ^a	— 3	25.4 ^a	3.39	20.0	Independence	— 14	— 6	0.89	8.4	.....
Martinton	60	4	32.3	0.57	3.5			Terre Haute	64	4	33.0	1.16	2.8	Indianola	53	— 10	24.7	1.07	9.0	
Mascoutah	59	— 13	27.4	1.55	5.0			Topeka	51	0	28.6	1.10	11.0	Iowa City	53	— 10	24.7	1.07	9.0	
Mattoon	62	6	34.4	1.61	0.7			Valparaiso	54	— 8	24.8	0.70	7.0	Iowa Falls	46	— 7	20.8	0.82	8.2	
Minonk	54	— 7	27.2	1.49	2.8			Vevay	65	11	33.9	0.80	2.0	Lacona	49	— 10	22.6	0.68	11.5	
Mouthmouth	55	— 4	26.6	1.24	8.8			Vincennes	64	10	32.4	0.86	T.	Lansing	50	— 9	21.8	0.20	2.0	
Monticello	62	— 5	30.8	2.14	2.0			Washington	63	10	33.7	1.14	.....	Larchwood	48	— 8	21.4	0.22	1.9
Morgan Park				0.70	8.5			Winamac	56	0	27.6	1.47	8.5	Leclaire	49	— 2	22.8	0.08	0.8	
Morrisonville	62	— 8	31.6	1.52	0.8			Worthington	62	1	31.2	1.41	4.9	Lemars	49	— 2	22.8	0.08	0.8	
Mount Carmel				1.63	0.5			<i>Indian Territory.</i>						Lenox	51	— 6	25.8	2.3	.....
Mount Pulaski	62	— 2	30.4	1.96	3.0			Bengal	70	14	44.6	1.90		Logan	56	— 11	23.1	0.70	7.0	
Mount Vernon	65	8	33.5	1.87	.....			Chickasha	69	12 ^a	49.7 ^a	0.51		Maple Valley	53 ^a	— 8	25.6 ^a	1.15	.....
New Burnside	66	18	38.0	1.01	T.			Claremore	68	11	39.8	0.63		Maquoketa	53 ^a	— 11	24.4	1.05	9.6	
Olney	64	9	34.8	1.00	1.4			Colbert	81					Marshalltown	53 ^a	— 11	22.7	1.36	10.5	
Ottawa	56	— 3	28.4	1.78	10.8			Fairland	69	10	40.0	0.63		Monticello	53 ^a	— 11	22.7	1.36	10.5	
Palestine	61	7	32.6	1.08	0.8			Hartshorne	79	14	46.8	0.90		Moosur	53 ^a	— 8	26.7	1.32	.....
Pana	68	7	32.7	1.64	0.5			Headton	78	11	46.4	T.		Mountay	54	— 8	26.7	0.76	7.5	
Paris	60	0	30.7	1.48	.....			Lehigh	73	16	46.8	1.10		Mount Pleasant	55	— 0	28.0	0.80	.....
Peoria ^a				2.00	3.0			Marlow	76	12	42.7	0.86		Mount Vernon ^b	53 ^a	— 10	21.8	0.04	0.4	
Peoria ^b	54	1	29.3	1.98	1.0			Afton	51	— 5	26.0	0.76	4.0	Murray	42	— 10	20.0	1.05	10.5	
Philo	60	— 8	28.6	2.01	4.0			Akron	56	— 5	25.2	1.25	12.0	New Hampton	51	— 8	24.8	1.00	10.5	
Plumhill	64	9	35.9	1.39	T.			Albia	53	— 4	26.0	0.60	6.0	Newton	47 ^a	— 7	17.5	0.75	7.5	
Rantoul	60	— 7	28.8	1.57	2.1			Algona	46	— 10	30.3	0.55	5.5	Northwood	49	— 4	23.4	0.18	2.0	
Raum	64	10	38.1	1.68	T.			Alta ^a	46 ^a	— 7	21.1 ^a	0.32	3.8	Orden	48	— 8	22.5	0.55	5.5	
Riley	46	— 13	21.6	1.88	10.9			Amana	51	— 9	24.8	1.50	12.9	Olin	50	— 18	20.4	2.84	10.0	
Robinson	62	6	33.1	1.09	1.6			Ames ^a	51	— 8	23.6	0.57	5.7	Onawa	51	— 3	25.3	0.29	2.8	
Roundgrove	44	— 9	20.6	0.82	8.0			Ames (near)						Osage	54	— 8	18.6	1.22	11.8	
Rushville	60	— 2	30.7	2.50	3.4			Atlantic	53	— 13	24.8	0.78	6.0	Otumwa	57	— 2	29.4	0.40	3.0	
St. Charles ^{*6}	50	— 15	24.3	1.53	8.0			Bancroft	48	— 11	21.0	0.50	5.0	Pacific Junction	56 ^a	— 4	26.4 ^a	1.86	7.0	
St. John	69	10	38.9	1.38	T.			Batavia	53	— 5	26.0	0.60	6.0	Pella	54	— 6	26.6	0.33	3.1	
Scale Mound	50	— 21	22.2	0.88	10.0			Baxter	53	— 5	28.8	0.82	8.2	Perry	52 ^a	— 0	26.9 ^a	0.75	7.5	
Shoboner	65	4	33.8	1.62	2.0			Bedford	55 ^a	— 8	29.1 ^a	0.62	7.0	Plover	47 ^a	— 10	21.2	0.50	5.0	
Strawn	56	— 7	27.9	1.48	2.0			Belknap	55	— 3	28.6	1.23	7.0	Primghar	48 ^a	— 5	26.4 ^a	0.40	4.0	
Streator	55	— 5	27.3	1.42	.....			Belpointe	48 ^a	— 9	33.8	0.66	6.6	Redoak	53 ^a	— 5	25.8	0.40	4.0
Sullivan	55	— 3	28.3	1.72	4.4			Belleplaine	54 ^a	— 3	28.6	1.35	12.3	Ridgeway	49 ^a	— 11	23.1	1.97	11.0	
Sycamore	44	— 10	23.4	1.27	8.6			Charlton	54	— 3	28.6	0.40	4.0	Rockwell City	47 ^a	— 5	24.0	0.80	8.0	
Tilden	64	10	36.5	0.99	0.2			Charlton	57	— 4	27.0	0.95	9.0	Ruthven	44	— 8	15.3	0.35	3.5	
Tiskilwa	58	— 5	25.7	1.36	5.0			Coon Rapids	48	— 8	24.4	0.20	2.0	Sac City	51	— 6	28.0	0.10	1.0	
Tuscola	63	5	29.3	2.16	3.7			Corning	52	— 4	26.4	0.50	4.0	Scranton	48	— 3	24.1	0.88	8.8	
Walnut	54																			

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Kansas—Cont'd.	0	0	0	Ins.	Ins.	Kentucky—Cont'd.	0	0	0	Ins.	Ins.	Maryland—Cont'd.	0	0	0	Ins.	Ins.
Anthony	63	— 2	22.2	0.10	1.0	Paducah b	71	15	41.2	1.77	1.0	Harney	— 34	26.3	8.0	2.34	8.0
Atchison b	63	— 2	22.9	0.49	5.5	Pikeville	69	19	40.4	2.34	2.0	Jewell	65	10	35.5	3.04	4.0
Beloit	61	— 7	26.9	0.45	5.5	St. John	65	10	35.9	1.57	2.0	Johns Hopkins Hospital	63	14	31.9	2.60	7.0
Burlington	63	— 1	23.8	0.57	T.	Scott	64	4	32.0	1.02	3.7	Laurel	64	7	32.4	2.94	5.0
Campbell	55	— 2	28.6	0.32	2.5	Shelby City	65	10	35.4	1.69	2.0	McDonogh	63	5	29.4	2.85	11.0
Chanute	67	— 7	29.4	0.20	T.	Vanceburg	60	10	38.5	2.70	3.0	Mount St. Mary's Coll.	58	10	31.7	3.10	8.8
Coiby	68	— 18	29.0	0.30	2.0	Warfield	69	12	36.3	2.80	3.0	Newmarket	60	8	31.8	2.71	9.5
Columbus	64	— 2	36.8	1.27	T.	Williamsburg	64	12	39.3	8.24	T.	Pocomoke	63	14	37.8	2.44	3.0
Coolidge	66	— 14	30.2	0.10	1.0	Louisiana.	64	16	39.3	8.24	T.	Prince Fredericktown	63	9	35.6	2.99	5.0
Delphos	62	— 8	30.1	0.42	2.5	Abbeville	77	22	56.0	2.65		Princess Anne	62	10	35.6	2.70	5.5
Dresden	65	— 13	29.4	0.40	4.0	Alexandria	73	25	53.6	4.74		Rockhall b	60	11	34.6	2.41	4.5
Ellinwood	66	— 7	32.0	0.46	4.0	Armit	76	27	52.4	6.40		Sharpsburg	57	11	34.0	2.39	11.0
Englewood	70	— 4	34.6	2.20	T.	Baton Rouge	77	30	52.5	4.59		Smithsburg a	58	8	32.4	1.96	9.0
Eureka	—	—	—	0.49	—	Burnside	70	24	49.0	3.12		Smithsburg b	58	8	32.0	2.66	12.5
Eureka Ranch	68	— 18	29.6	0.20	2.0	Calhouse	75	27	52.8	3.88		Solomons	67	17	37.2	3.93	6.0
Fallriver	66	— 2	36.1	0.85	T.	Cheneyville	75	26	50.8	3.68		Sudlersville	63	10	35.4	3.12	11.5
Fanning	60	— 11	31.7	0.45	1.0	Clinton	76	28	50.8	3.68		Sunnyside	— 3	26.3	5.14	21.0	
Frankfort	60	— 4	30.0	0.30	3.0	Como	78	22	49.4	6.51		Takoma Park	63	12	33.1	3.57	7.0
Garden City	68	— 14	31.5	0.20	1.5	Covington	74	20	52.1	4.78		Taneytown	55	6	31.2	2.68	7.9
Gove ^a	67	— 11	32.0	0.20	2.0	Donaldsonville	80	30	55.5	2.50		Van Bibber	53	9	31.2	2.28	—
Grenola	67	— 2	35.4	1.07	T.	Emilie	74	30	53.4	3.86		Westernport	53	6	28.2	3.31	5.8
Harrison	62	— 8	28.5	0.75	3.5	Farmerville	71	25	50.5	3.58		Westminster	60	7	31.7	2.87	14.1
Horton	56	— 3	30.4	0.55	—	Franklin	75	22	53.5	2.91		Woodstock	62	9	32.1	2.89	9.5
Hoxie	68	— 17	29.2	0.30	3.0	Grand Coteau	74	20	51.1	2.61		Massachusetts.					
Hutchinson	68	— 6	33.2	0.25	1.0	Hammond	76	27	53.4	5.11		Amherst	41	— 6	24.9	2.09	8.0
Independence	63	8	37.2	0.83	T.	Houma	76	31	54.9	2.64		Bedford	48	— 8	24.8	1.57	8.0
Jetmore	— 14	—	—	0.20	1.5	Jeanerette	77	31	55.9	3.85		Bluehill (summit)	48	— 9	24.3	2.05	9.6
Lakin	70	— 13	32.5	0.10	1.0	Lafayette	75	28	53.6	5.48		Cambridge	56	— 6	28.6	1.73	—
Lawrence	60	— 1	33.4	0.27	1.0	Lake Charles	74	31	51.4	8.74		Chestnuthill	48	— 6	25.9	1.72	6.8
Lebanon	62	— 10	27.6	0.70	5.0	Lake Providence	83	25	54.1	6.36		Cohasset	48	— 8	24.8	5.45	—
Lebo	59	3	33.2	0.42	T.	L'Argent	76	26	53.8	4.68		Concord	49	— 8	28.8	1.46	8.7
Little River	64	— 4	32.5	0.20	2.0	Libertyhill	76	21	52.0	4.58		East Templeton ^a	40	— 8	23.3	2.29	9.0
Macksville	68	— 13	32.2	0.28	0.8	Mansfield	74	21	50.2	2.52		Fallriver ^a	48	— 5	27.9	2.47	4.2
McPherson	62	— 3	32.6	0.48	4.5	Melville	79	24	53.0	3.40		Fitchburg a [*]	45	— 8	28.5	1.66	10.0
Madison	66	8	34.2	0.55	T.	Minden	74	23	50.6	0.72		Fitchburg b	47	— 11	28.6	1.70	12.8
Manhattan ^c	62	— 2	32.0	0.38	3.3	Monroe	73	27	51.1	3.28		Framingham	48	— 7	25.8	1.86	—
Marion	60	— 3	33.8	0.20	1.0	New Iberia	74	30	51.1	5.20		Groton	46	— 11	22.6	2.04	12.5
Medicine Lodge	69	0	35.2	0.25	0.8	Opelousas	74	32	55.0	3.84		Hyannis ^a	47	— 4	29.8	3.14	7.5
Minneapolis	60	— 7	30.0	0.33	3.3	Oxford	74	28	53.7	3.84		Jefferson	— 1	—	23.1	1.91	11.8
Moran	58	— 7	34.8	1.07	T.	Paincourtville	77	32	54.3	4.72		Lawrence	47	— 10	23.4	1.60	10.5
Mouthope ^a	64	0	34.1	0.20	T.	Plain Dealing	72	20	49.6	3.57		Leeds	47	— 13	23.1	2.15	7.5
Ness City	68	— 11	34.8	0.40	3.0	Prevost	—	—	—	3.24		Leominster	—	—	1.94	18.0	—
Newton	63	— 5	32.0	0.02	0.2	Rayne	80	23	50.9	—		Lowell a	47	— 9	25.5	1.72	—
Norwich	69	— 2	35.7	0.16	0.5	Robeline	75	22	48.7	3.25		Lowell b	47	— 11	24.8	—	
Oberlin	—	—	—	0.20	2.0	Ruston	72	24	50.3	4.55		Middleboro	52	— 10	24.2	2.20	5.8
Olathe	61	8	34.6	0.23	1.5	Schriever	79	30	54.2	3.94		Monson	47	— 8	25.6	1.88	9.5
Osage City	65	— 4	32.4	0.35	1.1	Southern University	76	31	53.4	1.48		New Bedford a	55	— 2	29.8	2.66	8.5
Osborne	—	—	—	0.50	3.0	Sugar Ex. Station	74	34	52.4	2.24		Pittsfield	48	— 10	21.8	1.28	7.5
Oswego	67	6	38.6	1.70	T.	Sugartown	73	32	54.3	1.87		Plymouth ^a	51	— 5	29.2	2.91	6.0
Ottawa	— 2	—	—	0.53	1.0	White Sulphur Springs	—	—	—	4.55		Princeton	—	—	1.68	14.0	—
Phillipsburg	64	— 12	25.4	0.30	3.0	Maine.	—	—	—	—		Provincetown	50	2	30.6	2.04	2.2
Pratt	71	— 7	35.3	0.10	1.0	Bar Harbor	45	— 13	20.0	4.88	36.0	Salem	—	—	1.68	10.0	—
Rome	67	— 3	36.1	0.50	2.0	Belfast ^a	46	— 20	17.6	4.51	—	Somerset ^a	53	— 8	28.4	2.03	7.0
Salina	61	— 4	31.2	0.80	2.5	Bemis	44	— 20	14.4	3.80	41.0	Springfield Armory	45	— 5	25.0	1.74	6.8
Scott	66	— 18	28.1	0.20	2.0	Calais	37	— 20	19.0	5.80	32.0	Sterling	47	— 8	25.0	1.49	11.0
Sedan	64	2	36.2	0.70	T.	Carmel	42	— 25	17.4	6.67	—	Taunton c	49	— 12	26.1	2.84	3.5
Seneca	60	— 3	30.2	0.26	2.0	Cornish ^a	41	— 14	18.6	3.03	20.2	Westboro	48	— 9	26.3	1.78	8.0
Toronto	66	— 2	33.8	0.25	T.	Fairfield	48	— 25	14.9	3.74	20.0	Weston	49	— 6	26.0	1.49	8.4
Tribune	— 18	—	—	0.20	2.0	Farmington	40	— 16	15.6	3.87	24.5	Worcester	47	— 8	25.0	1.49	11.0
Ulysses	80	— 5	32.6	0.11	1.0	Flagstaff	39	— 23	13.4	2.20	22.0	Michigan.	—	—	—	—	—
Valley Falls	59	— 5	32.6	0.38	3.5	Gardiner	43	— 18	18.0	3.78	26.2	Adrian	50	— 5	24.2	2.12	13.0
Wakeeney (near) ^a	62	— 15	28.3	0.36	3.5	Kineo	32	— 22	9.2	3.65	26.5	Agricultural College	46	— 11	22.2	1.51	12.0
Wallace	—	—	—	0.56	4.5	Lewiston	44	— 14	18.1	3.19	28.6	Allegan	51	— 5	25.9	0.88	8.5
Wamego ^a	59	— 5	31.2	0.54	5.0	Mayfield	33	— 21	15.4	3.80	27.0	Alma	46	— 9	21.6	1.88	17.0
Winfield	69	4	35.3	0.50	T.	Orono	42	— 20	15.2	4.38	25.5	Ann Arbor	48	— 7	24.0	1.45	10.1
Yates Center	61	— 1	33.8	0.84	T.	Rumford Falls	40	— 17	15.2	2.77	27.5	Annpere	48	— 10	22.0	1.28	10.0
Kentucky.	—	—	—	—	—	Wiuslow	44	— 24	18.8	2.91	15.0	Baldwin	45	— 12	19.8	1.05	9.5
Alpha ^a	— 14	39.1	3.02	T.	Maryland.	61	18	35.4	3.80	6.0	Ball Mountain	46	— 6	23.2	1.46	10.4	
Anchorage	64	10	35.4	1.01	0.7	Annapolis	55	8	29.6	8.69	11.5	Battlecreek	49	— 2	24.9	2.45	14.1
Bardstown	67	11	36.9	1.93	0.5	Bachmans Valley	52	4	33.3	1.60	2.0	Bay City	44	— 1	23.3	1.15	7.5
Blandville	69	15	37.9	1.95	0.8	Bootscherville	62	8	32.3	2.01	8.0	Berrien Springs	54	1	26.8	5.40	

TABLE II.—Climatological record of voluntary and other cooperating observers.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean	Rain and melted snow.	Total depth of snow.
<i>Michigan—Cont'd.</i>																	
Gladwin.....	0	0	0	In.	In.	Lake Winnibigoshish.....	0	-33	6.5	In.	1.3	Missouri—Cont'd.	0	0	0	In.	In.
Grand Rapids.....	45	-15	20.0	2.10	21.0	Leroy.....	41	-14	17.2	0.23	0.68	Eightmile*1.....	72	-2	32.7	1.45	T.
Grape.....	48	-4	24.8	2.41	23.0	Luverne.....	45	-10	18.8	0.11	1.1	Eldon.....	62	-7	31.6	1.40	T.
Grayling.....	51	-4	25.6	1.83	9.2	Lynd.....	44	-21	17.1	0.34	4.0	Fairport.....	67	-3	33.0	0.49	1.7
Hanover.....	42	-22	18.0	1.15	11.5	Mapleplain.....	42	-19	18.5	0.54	6.0	Fulton.....	70	-4	35.6	8.57	1.0
Harbor Beach.....	50	-9	24.2	2.15	11.9	Milan.....	45	-20	18.1	0.47	4.8	Galena.....	60	-2	31.1	0.90	T.
Harrisville.....	45	0	22.2	0.99	7.9	Minneapolis ^a	41	-15	12.5	0.40	4.0	Gallatin*1.....	68	-17	34.1	1.16	T.
Hart.....	45	-17	19.7	3.01	18.6	Minneapolis ^b	41*	-15	15.0	0.32	5.0	Gayoso.....	64	-2	33.1	1.89	1.0
Hastings.....	48	-3	22.9	1.88	16.5	Montevideo.....	43	-17	14.6	0.35	5.5	Glasgow.....	72	-4	39.4	0.97	1.0
Hayes.....	48	-10	20.8	1.10	11.0	Morris.....	44	-20	18.8	0.40	3.7	Gorin.....	60	-3	31.8	1.54	T.
Highland Station.....	.....	.....	.....	2.73	16.0	Mount Iron.....	34	-33	6.4	0.15	1.5	Hazlehurst.....	.....	.....	.....	0.60	.....
Hillsdale.....	50	-3	24.5	2.53	17.0	Newfolden.....	35	-31	1.6	0.26	4.0	Hermann.....	69	-8	38.8	1.35	T.
Humboldt.....	40	-29	6.2	0.93	5.0	New London.....	39	-24	9.0	0.44	4.5	Houston.....	69	8	38.8	2.02	1.0
Ionia.....	47	-12	24.0	1.87	15.0	New Richland*1.....	42	-8	18.6	.....	.....	Ironton.....	70	6	36.2	0.71	0.3
Iron River.....	42	-20	11.0	0.80	8.0	New Ulm.....	43	-13	16.4	0.63	6.8	Jackson.....	60	-4	30.4	0.82	0.2
Ishpeming.....	38	-13	13.6	0.80	8.9	Park Rapids.....	38	-27	7.4	0.36	3.6	Kidder.....	69	12	41.0	1.88	T.
Ivan.....	48	-8	20.9	2.64	25.5	Pine River.....	40	-32	7.1	0.15	2.0	Koshkonong.....	68	16	38.7	2.84	T.
Jackson.....	50	-5	25.2	2.36	9.0	Pipestone.....	41	-11	17.4	0.16	1.1	Lamar.....	63	-7	37.3	1.17	0.5
Jeddo.....	42	-5	22.5	1.82	15.3	Pleasant Mounds.....	43	-15	19.0	0.26	4.0	Lamont.....	67	-2	34.1	1.32	T.
Kalamazoo.....	47	-5	24.8	1.33	18.0	Pokegama Falls.....	38	-47	1.0	0.28	2.9	Lebanon.....	62	-8	31.4	0.50	T.
Lake City.....	40	-12	17.5	1.45	14.5	Redwing ^a	41	-16	16.2	0.32	5.0	Lexington.....	63	-2	34.8	2.25	0.5
Lansing.....	46	-6	23.2	1.69	15.7	Redwing ^b	41	-16	16.2	0.32	5.0	Louisiana.....	69	-7	33.6	2.45	1.0
Lapeer.....	47	-13	21.8	1.00	10.0	Reeds.....	43	-51	10.5	.....	.....	Macon.....	63	-2	32.6	1.54	T.
Lathrop.....	36	-18	14.4	1.15	11.5	Rolling Green.....	43	-11	16.2	0.20	2.0	Marblehill.....	67	-11	37.9	1.48	0.2
Lincoln.....	44	-14	20.2	0.90	9.0	St. Charles.....	47	-15	18.2	0.65	6.5	Marshall.....	62	-2	33.2	1.94	2.0
Ludington.....	41 ^c	5	24.4	1.46	14.6	St. Cloud.....	45	-18	18.2	0.42	4.0	Maryville.....	59	-5	36.6	0.65	6.5
Mackinac Island.....	40	-17	20.2	1.58	14.1	St. Peter.....	47	-16	16.8	0.44	4.5	Miami*1.....	58	-1	31.8	1.15	1.0
Mackinaw.....	42	-15	19.4	1.87	12.0	Sandy Lake Dam.....	40	-38	6.2	0.21	2.8	Mineralspring.....	68	17	40.8	0.80	T.
Madison.....	46	-6	25.0	1.98	10.2	Shakopee.....	42	-16	16.0	0.36	3.8	Montreal.....	69	2	37.0	0.74	T.
Mancelona.....	41	-16	18.8	4.14	40.0	Thief River Falls.....	.....	.....	.....	.....	.....	Mount Vernon.....	61	10	38.8	0.87	T.
Manistee.....	43	4	23.0	2.78	26.7	Tower.....	38	-34	9.8	0.75	7.5	Neosho.....	70	9	39.4	0.45	T.
Manistique.....	39	-8	20.1	1.07	9.5	Agricultural College.....	69	23	46.8	6.60	.....	Nevada.....	.....	.....	1.40	.....	.....
Menominee.....	43	-9	18.8	0.83	8.5	Austin.....	75	23	47.4	2.78	.....	New Haven.....	72	7	36.0	0.60	1.0
Middle Island*10.....	37	3	23.0	.....	.....	Batesville.....	68	20	42.8	6.82	.....	New Palestine.....	69	3	31.6	1.64	T.
Midland.....	45	0	21.2	1.40	13.5	Bay St. Louis.....	72	32	52.4	8.20	.....	Oakfield.....	71	4	37.1	1.07	0.2
Mount Pleasant.....	46	-8	21.0	1.83	14.0	Biloxi.....	76	32	56.2	2.49	.....	Olden.....	70	-7	39.2	1.43	T.
Muskegon.....	45	-3	24.7	1.90	11.0	Booneville.....	65	20	41.0	4.26	.....	Oregon ^a	58	-1	30.8	0.69	4.0
Newberry.....	35	-10	15.9	1.40	14.0	Brookhaven.....	75	23	48.4	2.70	.....	Palmyra ^a *5.....	61	0	31.9	1.78	1.1
North Marshall.....	50	-4	23.0	0.80	6.0	Canton.....	74	25	49.8	9.44	.....	Phillipsburg*1.....	68	5	36.3	0.93	2.0
Northport.....	42	5	23.8	2.95	29.5	Columbus ^b	68	25	45.9	4.05	.....	Pine Hill.....	.....	.....	1.16	0.4	.....
Old Mission.....	44	1	22.8	2.13	20.0	Crystalsprings.....	73	27	49.1	3.52	.....	Poplarbluff.....	70	18	41.4	1.37	1.0
Oliver.....	45	-3	21.2	2.44	14.6	Edwards.....	71	25	51.2	8.40	.....	Potosi.....	72	-5	33.2	1.16	T.
Omer.....	44	-11	18.7	0.80	7.0	Fayette.....	74	27	51.4	4.60	.....	Richmond.....	60	0	38.6	1.03	T.
Ontonagon.....	37	-12	12.6	1.00	10.0	Fayette (near)*1.....	72	31	52.2	3.05	.....	Rockport.....	.....	.....	0.53	4.0	.....
Ovid.....	45	-11	22.3	1.41	12.0	Greenville ^a	66	25	48.9	4.61	.....	Rolla.....	62	2	34.6	0.87	1.0
Owosso.....	54	-11	22.2	1.65	12.5	Greenville ^b	71	24	48.2	4.50	.....	St. Charles.....	69	6	36.0	1.67	0.2
Petoskey.....	42	-14	21.4	2.92	25.2	Hernando.....	68	24	44.8	2.88	.....	St. Joseph.....	59	3	32.4	0.98	1.0
Plymouth.....	42	-2	22.0	0.65	6.5	Holly Springs.....	67	22	48.2	9.91	0.4	Sarcocyle*4.....	70	7	38.3	0.55	2.5
Port Austin.....	42	-2	22.0	0.65	6.5	Jackson.....	72	25	48.7	6.60	.....	Seymour.....	70	5	38.3	1.22	2.0
Reed City.....	49	-18	18.4	2.25	19.5	Kosciusko.....	74	28	52.6	6.60	.....	Shelbina.....	67	-17	39.6	2.02	1.0
Roscommon.....	55	0	23.8	1.20	7.0	Latonia.....	74	22	50.0	4.08	.....	Sikeston.....	58	-2	31.8	1.78	1.5
Saginaw.....	46	-6	23.0	1.65	15.7	Leakesville.....	74	22	50.0	4.08	.....	Steffenville.....	58	-5	29.3	0.70	1.0
St. Ignace.....	40	-18	22.6	0.55	5.5	Louisville.....	74	24	48.4	6.64	.....	Sublett.....	58	0	.....	0.53	.....
St. Johns.....	46	-4	24.1	1.07	7.7	Macon.....	69	25	45.8	6.21	.....	Trenton.....	56	2	29.8	1.10	2.2
St. Joseph.....	50	2	27.6	1.61	8.0	Magnolia.....	74	28	50.0	4.53	.....	Unionville.....	56	2	23.6	2.24	1.0
Slidnaw.....	45	-20	11.6	.....	12.0	Natchez.....	75	29	54.2	5.65	.....	Vichy.....	70	5	37.2	0.85	1.0
Somerset.....	49	-6	23.2	2.30	12.0	Okolona.....	66	22	44.4	4.38	.....	Warrensburg.....	62	2	34.6	2.09	T.
South Haven.....	49	4	26.7	1.39	12.5	Palo Alto.....	70	24	46.3	7.07	.....	Warrenton.....	69	4	32.8	1.59	T.
Stanton.....	46	-10	22.2	.....	.....	Pearlinton.....	74	29	52.2	3.45	.....	Wheatland.....	.....	.....	2.24	1.0	.....
Thomaston.....	40	-21	12.4	1.80	18.0	Pontotoc.....	69	24	44.8	5.18	.....	Willowsprings.....	.....	.....	1.73	0.2	.....
Thornville.....	46	-9	22.8	1.97	19.5	Port Gibson.....	74	25	51.6	7.44	.....	Windsor.....	64	0	35.3	2.16	0.8
Traverse City.....	46	-9	23.4	3.60	34.0	Ripley.....	74	18	43.4	3.86	.....	Wylie.....	72	8	41.0	0.58	T.
Vassar.....	45	-7	21.9	2.72	21.1	Saratoga.....	73	24	49.5	3.81	1.78	Zeitonia.....	71	9	37.6	1.78	0.8
Wasapei.....	50	-2	24.9	2.53	14.0	Shoccoe.....	.....	.....	7.87	.....	Montana.	Adel.....	48	-27	21.7	1.85	13.5
Waverly.....	47	0	25.6	1.09	6.7	Stonington*1.....	74	25	51.2	.....		Augusta.....	52	-25	23.3	0.42	10.9
West Branch.....	39	-13	18.4	1.97	18.7	Thornton.....	73	28	50.3	9.05		Billings.....	54	-16	21.0	.....	.....
Wetmore.....	36	-21	15.8	2.10	20.0	Tupelo.....	74	24	48.4	5.98		Boulder.....	49	-16	19.8	0.58	2.5
Whitecloud.....	45	-13	22.0	0.95	9.5	Walnutgrove.....	71	23	47.4	5.63		Butte.....	43	-7	25.4	0.60	6.0
Whitefish Point.....	38	0	23.4	1.34	13.3	Watervalley.....	73	24	50.4	3.14		Canyon Ferry.....	60	-12	21.7	0.44	4.8
Williamston.....	47	-11	23.6	2.01	11.5	Waynesboro.....	74	23	52.5	4.04	</						

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>Montana—Cont'd.</i>	0	0	0	In.	In.		<i>Nebraska—Cont'd.</i>	0	0	0	In.	In.		<i>New Hampshire—Cont'd.</i>	0	0	0	In.	In.	
Martinsdale.....	54	-10	24.8	0.45	3.0		Madrid *5.....	70	-27	24.8	0.20	2.0		Bethlehem.....	43	-23	15.6	1.90	19.5	
Marysville.....	45	-17	21.4	2.04	17.4		Marquette.....	70	-27	24.8	0.25	2.5		Brookline *1.....	44	-20	22.6	1.56	12.8	
Missoula.....	48	-6	23.0*	1.45	10.5		Mason City.....	70	-27	24.8	0.20	2.0		Clairemont.....	44	-20	20.0	1.48	11.0	
Ovando.....	48	-16	16.1	1.90	18.7		Minden a.....	61	-9	26.0	0.34	2.4		Concord.....	45	-20	19.8	1.39	15.6	
Parrot.....	47	-7	.....	0.31	3.1		Monroe.....	61	-9	26.0	0.17	1.5		Durham.....	46	-11	21.7	1.82	13.2	
Plains.....	49	-1	24.8	1.10	8.0		Nebraska City b.....	57	-1	28.2	0.55	4.0		Grafton.....	47	-23	17.4	1.80	19.0	
Poplar.....	44	-29	10.0	1.05	10.5		Nebraska City c.....	61	-2	31.5	0.20	2.0		Hanover.....	48	-24	17.2	1.78	19.1	
Ridgeway.....	45	-27	18.1	0.70	7.0		Nemaha *1.....	63	-15	25.4	0.03	0.5		Keene.....	48	-19	20.9	1.69	14.5	
St. Pauls.....	53	-22	21.0	0.99	9.9		Nesbit.....	59	-7	24.6	0.05	1.8		Littleton.....	42	-21	14.4	1.98	20.0	
Troy.....	48	-3	24.0	2.84	15.5		Norfolk.....	60	-9	26.6	0.05	0.5		Nashua.....	47	-12	22.5	2.02	12.5	
Twin Bridges'	50	-11	20.5	.....	.....		North Loup.....	58	-6	25.8	0.09	1.4		Newton.....	47	-11	22.1	1.33	8.0	
Utica.....	52	-20	22.6	0.40	8.8		Oakdale.....	53	-8	26.6	0.57	3.0		North Conway.....	44	-21	18.2	1.80	18.0	
Yale.....	48	-12	.....	0.09	0.9		Odell.....	53	-8	26.6	0.09	0.5		Peterboro.....	44	-19	19.7	2.10	18.1	
<i>Nebraska.</i>	.....	.....	.....	.....	.....		Ord.....	53	-8	26.6	0.09	0.5		Plymouth.....	41	-13	18.0	1.52	17.8	
Agate.....	.....	.....	.....	0.00	.....		Osceola.....	53	-8	26.6	0.05	0.5		Sanbornton.....	48	-22	18.4	1.52	14.0	
Agree.....	.....	.....	.....	0.11	1.2		Ough.....	53	-8	26.6	0.05	0.5		Stratford.....	40	-29	14.8	2.84	24.5	
Albion.....	64	-7	25.8	0.20	2.0		Oug.....	53	-8	26.6	0.05	0.5		<i>New Jersey.</i>	.....	.....	.....	.....	.....
Alliance.....	.....	.....	.....	T.	T.		Palmer *5.....	72	-8	28.4	0.10	1.0		Asbury Park.....	58	2	32.8	2.56	7.9	
Alma.....	69	-17	26.8	0.38	8.8		Palmyra *1.....	58	-6	26.9	0.36	2.0		Bayonne.....	56	5	31.4	2.24	2.6	
Ansley.....	60	-12	25.0	0.30	9.0		Pleasant Hill.....	58	-6	26.9	0.32	8.2		Belvidere.....	52	0	29.4	2.08	5.0	
Arapaho *1.....	59	-16	28.2	0.25	2.5		Ravenna a.....	63	-10	26.8	0.25	2.5		Bergen Point.....	58	3	30.9	2.07	8.5	
Arborville *1.....	52	-4	24.9	0.15	1.5		Ravenna b.....	63	-10	26.8	0.28	2.8		Beverly.....	63	2	31.6	2.98	8.9	
Arcadia.....	.....	.....	.....	0.10	1.0		Redcloud *1.....	57	-11	25.0	0.49	4.0		Billingsport *1.....	58	8	31.5	2.95	8.5	
Arlington.....	.....	.....	.....	0.18	.....		Republican *1.....	58	-20	24.1	0.30	3.0		Bridgeton.....	62	5	33.6	3.43	5.5	
Ashland a.....	57	-5	27.9	0.13	3.0		St. Paul.....	63	-13	25.4	0.13	1.5		Camden.....	60	6	31.6	3.27	6.4	
Ashland b.....	.....	.....	.....	0.81	2.1		Salem *1.....	58	-2	30.7	0.40	8.7		Cape May C. H.	58	4	34.0	3.34	7.0	
Ashton.....	.....	.....	.....	0.10	2.0		Santee.....	59	-4	27.0	0.08	2.0		Charlottesville.....	52	1	27.5	1.96	3.0	
Auburn.....	58	-5	29.8	0.61	3.2		Schuyler.....	64	-8	24.8	0.05	0.5		Chester.....	59	-3	27.8	2.40	7.0	
Aurora *1.....	57	-6	26.5	0.10	1.5		Seneca *1.....	64	-8	24.8	0.05	0.5		Clayton.....	61	8	31.5	2.73	8.0	
Bartley.....	.....	.....	.....	0.10	.....		Smithfield.....	53	-8	26.6	0.00	0.5		College Farm.....	60	1	30.8	2.11	4.3	
Beatrice.....	56	-6	28.4	1.30	4.0		Sprague.....	53	-8	26.6	0.10	1.0		Deekertown.....	50	-2	28.8	1.58	3.3	
Beaver.....	68	-17	28.2	0.20	2.0		Springview.....	65	-5	26.8	0.10	1.0		Dover.....	50	-1	27.7	1.82	6.5	
Bellevue.....	.....	.....	.....	0.26	2.8		Stanton *1.....	58	-6	22.0	0.30	3.0		Egg Harbor City.....	58	0	31.2	3.11	1.0	
Benedict.....	.....	.....	.....	0.55	4.5		State Farm.....	57	-6	26.4	0.34	2.0		Elizabeth.....	59	2	31.3	2.58	6.0	
Benkelman.....	.....	.....	.....	0.10	1.0		Strang.....	58	-6	26.4	0.25	2.5		Flemington.....	55	3	31.4	2.86	5.7	
Blair.....	53	-8	21.8	0.12	1.9		Stratton.....	58	-6	26.4	0.20	2.0		Freehold.....	59	1	29.6	2.47	.....
Bluehill.....	.....	.....	.....	0.20	2.0		Superior *5.....	66	3	30.8	1.00	5.0		Friesburg.....	63	6	32.6	3.13	9.5	
Bradshaw.....	.....	.....	.....	0.26	2.6		Syracuse.....	53	-8	26.6	0.50	5.0		Hampton.....	58	2	28.8	2.88	10.0	
Brokenbow *1.....	62	-2	25.5	0.10	2.0		Taberrock.....	53	-8	26.6	0.53	3.0		Hightstown.....	60	3	31.2	2.00	5.0	
Burchard.....	.....	.....	.....	0.15	.....		Tecumseh b.....	64	1	28.4	0.70	4.0		Imlays town.....	51	2	31.6	2.55	7.7	
Burwell.....	.....	.....	.....	0.10	1.0		Tecumseh c.....	58	-8	26.6	0.75	8.0		Lambertville.....	57	4	31.4	3.58	2.6	
Callaway.....	64	-16	26.6	0.17	2.0		Tekamah.....	53	-5	25.7	0.45	6.5		Layton.....	47	-6	26.5	1.35	4.5	
Camp Clarke.....	62	-25	26.2	T.	T.		Turlington.....	57	-4	27.6	0.37	8.5		Moorestown.....	61	4	32.0	2.83	10.0	
Central City.....	.....	.....	.....	0.50	5.0		Wakefield.....	56	-9	24.6	0.28	2.8		Mount Pleasant.....	58	1	27.7	3.27	4.8	
Chester.....	.....	.....	.....	1.11	4.5		Wallace.....	58	-8	26.6	0.04	1.1		Newark.....	57	0	29.3	1.67	2.6	
Cody.....	.....	.....	.....	T.	T.		Wauneta.....	52	-1	24.2	0.49	4.2		New Brunswick.....	59	4	32.2	2.52	3.3	
Columbus.....	59	-4	26.6	0.12	1.8		Weeping Water *1.....	52	-1	24.2	0.49	4.2		Newton.....	49	-4	27.8	1.81	4.0	
Crete.....	55	-6	27.7	0.09	2.0		Westpoint.....	55	-3	26.8	0.30	3.5		Oceanic.....	57	0	33.2	4.00	8.0	
Culbertson.....	.....	.....	.....	0.20	2.0		Whitman.....	58	-6	26.4	0.00	0.5		Paterson.....	55	4	32.0	2.21	3.8	
Curtis.....	69	-20	25.0*	0.00	.....		Wilber *1.....	54	-6	27.3	0.15	2.5		Perth Amboy.....	59	3	31.7	2.40	5.4	
David City.....	56	1	26.2	0.55	5.0		Willard.....	58	-20	25.2	0.36	3.0		Plainfield.....	58	1	30.2	1.95	6.7	
Dawson.....	61	-8	31.0	0.55	8.0		Wilsonville *1.....	58	-20	25.2	0.20	2.0		Rancocas.....	54	-3	29.9	3.10	6.0	
Eden.....	.....	.....	.....	0.45	3.0		Winnebago.....	58	-6	26.4	0.22	3.0		Roseland.....	59	-4	28.4	1.86	4.8	
Edgar a.....	.....	.....	.....	0.20	2.0		Wymore.....	58	-6	26.4	0.42	2.5		Salem.....	56	3	33.6	2.80	6.7	
Ericson.....	.....	.....	.....	0.10	1.0		York.....	58	-6	26.4	0.24	2.0		Somerville.....	57	4	31.4	2.38	3.0	
Ewing.....	.....	.....	.....	0.10	1.0		<i>Nevada.</i>	.....	.....	.....	.....	.....		South Orange.....	58	0	29.8	1.95	5.0	
Fairbury.....	64	-6	28.2	0.81	4.0		Austin.....	50	-2	28.8	1.24	2.0		Toms River.....	58	-5	30.6	3.00	10.5	
Fairmont.....	59	-9	25.2	0.31	6.0		Battle Mountain *1.....	70	0	37.1	0.70	2.0		Trenton.....	58	5	31.6	1.97	8.0	
Fort Robinson.....	60	-13	24.1	0.10	1.0		Belmont.....	48	-3	24.0	0.96	9.0		Vickerton.....	55	-3	32.4	3.44	7.0	
Franklin.....	64	-16	24.2	0.40	4.0		Beowawe *1.....	58	4	34.4	0.52	8.2		Vineyard.....	61	4	32.2	2.82	6.5	
Fremont.....	54	-8	26.7	0.40	4.0		Candelaria.....	68	1	33.2	0.12	0.5		Woodbine.....	59	4	31.0	3.32	4.5	
Geneva.....	56	-5	25.9	0.28	3.5		Carlin *1.....	50	0	26.6	1.30	13.0		<i>New Mexico.</i>	.....	.....	.....	.....	.....
Genoa.....	59	-5	27.2	0.05	1.1		Carson City.....	60	3	35.1	2.08	7.5		Albert.....	74	4	41.0	0.23	2.0	
Gering.....	64	-21	27.2	T.	T.		Cranes Ranch.....	58	-6	26.4	1.32	18.2		Albuquerque.....	55					

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
New Mexico—Cont'd.	°	°	°	Ins.	Ins.	New York—Cont'd.	°	°	°	Ins.	Ins.	North Dakota—Cont'd.	°	°	°	Ins.	Ins.
Whiteoaks	60	4	37.0	1.52	6.0	South Berlin	46	-16	22.2	4.15	20.0	Hamilton	89	-28	1.7	0.17	1.7
Windsor Ranch	55	-13	28.7	2.00	20.0	South Canisteo	49	-8	24.6	1.95	11.9	Hannaford	42	-28	5.6	0.28	3.1
Woodbury	55	-3	32.5	0.68	T.	Southampton	48	2	31.2	1.78	10.5	Jamestown	40	-24	6.0	0.08	0.3
New York.						South-east Reservoir						Larimore	41	-25	3.2	0.50	5.0
Adams	53	-5	26.5	2.61	32.0	South Kortright	44	-7	22.7	1.84	6.2	McKinney	39	-22	3.3	0.60	6.0
Addison						South Schroon						Mayville	43	-20	6.7	0.55	5.5
Akron						Straits Corners	45°	-9°	22.8°	1.88	8.7	Mcdora	51	-19	17.8	0.30	3.0
Alden	50	-8	26.9	2.23	14.2	Ticonderoga	46	-14	20.5	1.82	20.0	Milton	30	-20	-0.2	0.60	6.0
Alfred	48	-7	25.6	1.22	6.6	Volusia	46	-3	25.2	3.41		Minnewaukon	39	-32	3.0	0.29	3.5
Angelica	51	-12	24.6	2.62	16.5	Walton	43	6	23.4	1.88	8.8	Minto	35	-26	2.2		
Appleton	47	-2	25.8	2.03		Wappingers Falls	49	-2	27.2	2.64	12.5	Napoleon	40	-21	9.7	0.10	1.0
Atlanta	47	-11	23.7	2.18	12.9	Warwick						New England	51	-19	17.0		
Auburn	50	-6	26.0	2.17	18.5	Watertown	45	-14	21.6	1.85	16.9	Oakdale	47	-26	14.9	0.04	0.4
Avon	48	-7	24.8	1.68	10.3	Waverly	49	5	26.0	1.22	7.6	Pembina	35	-39	0.2	0.60	6.0
Axton	40	-37	18.4	2.19	22.0	Wedgewood	48	-7	22.9	2.05	18.1	Porta	38	-31	5.0	0.50	5.0
Baldwinsville	44	-7	24.6	3.01	17.0	Wells	40	-29	17.0	2.53	17.7	Power	45	-23	8.2	0.32	3.2
Bedford a.	50	3	30.0	1.72		West Berne	44	-11	31.0	2.40	16.0	Sheyenne	37	-29	5.2	0.03	0.3
Blue Mountain Lake						West Chazy	43	-26	16.2			Steele	40	-25	8.4	T.	T.
Bolivar	49	-9	24.1	2.20	10.7	Westfield a	51	2	28.6	2.10	16.7	University	38	-20	6.4		
Buckville	40	-13	20.0	3.85	25.0	Westfield b	48	0	26.4	2.58		Wahpeton	42	-19	10.3	0.67	6.7
Boyd's Corners						Westfield c	52	8	29.3	1.88	9.8	Willow City	48	-37	2.0	0.16	1.6
Brockport	48	-4	25.8	2.75	17.5	Windham	46	-8	23.2	1.84	7.8	Woodbridge	36	-36	-0.4	0.97	3.7
Caldwell	43	-17	19.4	2.00	20.6	Wolfcott						Ohio.					
Cañon Four Corners	43	-11	21.6	3.02	15.3	North Carolina.						Akron	52	3	27.6	1.67	8.2
Canajoharie	44	-11	20.6	1.88	8.6	Ashbers	68	14	39.2	3.29	4.0	Annapolis	53	-2	29.4	1.65	1.5
Canton	44	-15	14.8	1.40	14.0	Asheville						Ashland	50	-4	27.4	1.88	8.0
Carmel	48	-5	26.3	1.65	7.3	Biltmore	63	15	34.6	2.12	0.8	Ashtabula	55	-4	29.2	1.85	11.0
Carvers Falls	44	-21	18.6	1.18	11.0	Bryson City						Atwater					
Catskill	49	1	26.0	0.92	8.5	Chapelhill	73	20	40.0	3.39		Bangorville	55	-2	27.4	2.24	8.2
Cedar Hill	46	-7	24.6	1.80	11.1	Cherryville	66°	17°	41.94	2.73		Bellefontaine	53	-2	26.6	0.86	6.0
Charlotte* ¹⁰	39	0	23.4			Currituck						Bement	50	-3	26.8	1.19	0.7
Cooperstown	43	-7	21.4	2.47	18.7	Durham	72	20	41.2	3.10	T.	Benton Ridge	53	-6	27.6	1.42	11.3
Cortland	48	-14	26.0	1.22	7.2	Edenton	69	21	42.9	3.75	4.0	Bethany	53	-2	31.9	1.24	8.5
Cutchogue	50	8	30.5	2.77	7.5	Fayetteville	79	21	43.2	2.62		Bigprairie	54	-2	29.2	2.04	5.5
Dekalb Junction						Flatrock	61	18	37.4	4.15	T.	Binola					
Elba	47	-4	25.6	3.86	24.6	Goldsboro	76	28	41.4	2.65		Bladensburg	55	3	29.8	2.16	6.0
Elmira	50	-1	28.0	1.09	7.4	Greensboro	66	24	39.0	2.72		Bloomingburg	57	-3	31.4	1.73	8.5
Franklinville	46	-9	23.4	2.29	10.8	Hendersonville	64	14	37.7	3.39	T.	Bowling Green	54	-8	26.4	2.57	10.2
Fulton						Henretta	67	21	42.5	2.65		Bucyrus	56	-6	26.9	2.45	8.5
Gabriels	38	-26	18.4	2.18	21.0	Highlands	55	6	38.5	2.20	2.2	Cambridge	55	4	31.0	2.17	6.0
Glens Falls	45	-12	20.8	1.93	18.7	Horse Cove	61	11	38.2	5.85	0.1	Camp Dennison	58	-1	32.7	1.19	6.1
Gloversville	40	-17	17.6	2.62	22.8	Kinston	80	20	44.0	2.76	T.	Canal Dover	59	5	29.9	2.17	5.5
Greenwich	42	-12	21.4	2.33	16.0	Lenoir	65	16	37.2	3.70	1.0	Canton	53	-4	30.1	2.81	16.0
Griffin Corners	44	-8	22.0	1.21	5.9	Linville	53	7	32.2	2.97	6.0	Cardington	54	-7	27.4	1.86	7.8
Haskinville						Littleton	78	16	38.0	1.92	3.5	Cedarville					
Hemlock	44	0	26.3	1.20	9.9	Louisburg	73	17	40.8	2.28	T.	Cellina	58	-2	30.8	0.85	7.0
Honeymead Brook	45	-6	24.1	1.88	8.0	Lumberton	74	24	42.4	4.02		Clareville	58	-4	32.0	1.89	5.1
Honnedaga Lake						Marion	68	15	40.9	4.10	0.9	Cleveland a.	57	-7	29.6	1.58	6.4
Humphrey	48	-4	23.0	2.70	21.2	Marshall	61	14	37.4	3.58	0.6	Cleveland b.	56	6	27.7	1.01	3.3
Indian Lake	40	-27	16.4	2.31	20.6	Monroe	69	18	41.0	2.01	T.	Coalton	60	-5	33.4	1.36	7.0
Ithaca	50	-4	25.2	1.31	8.4	Moncure	78	21	42.0	2.80		Colebrook	53	-4	26.6	1.68	10.0
Jamestown	52	-12	27.0	3.98	28.0	Monroe	72	18	41.0	2.83		Dayton a.	58	-4	30.2	2.00	5.8
Jay	45	-20	19.0	1.20	11.8	Montary	63	15	37.6	3.38	4.0	Dayton b.	54	-5	27.7	1.10	7.9
Keene Valley	46	-17	18.1	2.13	17.3	Murphy						Delaware	56	-6	29.0	1.76	6.4
King Ferry						Newbern	75	23	45.8	2.88	T.	Defiance	54	-6	30.1	1.65	6.0
King Station						Oakridge	69	16	38.4	2.58		Demos	54	-1	27.6	1.16	8.6
Lake Pleasant						Patterson						Elyria	55	-1	28.2	1.46	4.5
Liberty	40	-10	21.1	1.14	6.2	Pittsboro	73°	19	41.4°	1.76	T.	Findlay	55	-1	28.2	1.46	4.5
Littlefalls	42	-13	19.4	2.33	17.5	Rockingham	74	23	41.5	2.18		Frankfort	59	-2	32.0	1.24	8.5
Lockport	54	-2	29.2	1.70	12.0	Roxboro	68	19	39.7	2.20		Garrettsville	53	-7	27.6	2.20	12.9
Lowville	42	-20	17.4	2.84	21.0	Salem	66	18	39.8	2.81		Granville	57	4	28.4	2.51	10.5
Lyndonville						Salisbury	76	22	42.5	3.29		Gratiot	54	2	30.4	1.75	7.6
M.yle						Saxon	66	19	39.7	2.75	3.0	Green	66	8	33.7	1.15	3.0
Meredith	38	-16	20.8	1.65	6.4	Selma	73	20	41.4	2.08	0.5	Greenhill	58	-3	27.2	1.68	4.1
Middletown	45	-1	25.6	1.95	8.5	Settle	68	18	40.0	2.93		Greenville	58	-3	26.6	1.78	5.5
Mohonk Lake	49	-4	25.8	1.82	7.9	Sloan	77°	20°	44.4°	3.08		Hedges	67	11	35.0	1.40	3.0
M.ira	45	-16	16.4	3.10	20.0	Soapstone Mount	70	15	38.8	3.22	T.	Hanging Rock	67	11	35.0	1.40	3.0
Newark Valley						Southern Pines a.	75	19	44.8	3.19		Hedges	53	-2	27.0	2.37	14.5
New Lisbon	41	-14	20.4	1.27	7.4	Southern P nea b.	73	22	43.2	3.06		Hillhouse	56	-3	27.0	1.65	4.5
North Germantown						Southport	70	23	47.2	3.72		Hillsboro	58	-3	31.0	2.17	10.2
North Hammond	40	-16	17.2	1.48	18.2	Statesville	68	13	40.0	2.98	T.	Hiram	57	2	27.0	2.37	14.5
North Lake	87	-31	18.0	3.13	31.3	Tarboro	78	18°	41.4°	1.86		Hudson	53	0	27.5	1.65	
Ogdensburg	45	-20	16.8	1.08	13.3	Washington	81	21	44.4	2.82	1.0	Jacksonboro	56	-8	30.0	2.40	10.0
Old Chatham						Waynesville	63	11	37.0	4.88	T.	Kenton	54	-5	29.0	2.61	14.6
Oneonta						Weldon a.	71	21	39.2	2.80	1.5	Killbuck	52	4	29.0	0.84	6.5
Oxford																	

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Ohio—Cont'd.</i>	°	°	°	In.	In.	<i>Oregon—Cont'd.</i>	°	°	°	In.	In.	<i>Pennsylvania—Cont'd.</i>	°	°	°	In.	In.
North Lewisburg	53	— 5	27.3	2.32	8.2	Glenora	53	24	36.4	17.10	34.5	Lyciippus	57	8	29.6	2.88	10.5
North Royalton	54	— 7	27.1	1.25	6.0	Government Camp	53	12	31.0	11.05	60.0	Mifflin	—	—	—	2.00	11.0
Norwalk	55	— 6	28.0	2.12	8.5	Grants Pass	58	20	37.6	7.03	4.8	Oil City	—	—	—	2.68	10.1
Oberlin	59	— 7	27.6	1.20	3.8	Hare	65	29	42.8	19.39	5.5	Ottsville	—	—	—	2.75	6.8
Ohio State University	56	— 1	30.3	1.77	5.7	Hood River (near)	55	21	36.8	10.34	18.3	Parker	—	—	—	2.67	7.1
Orangeville	50	— 8	26.2	1.21	6.5	Jacksonville	57	17	34.0	10.20	20.2	Philadelphia	59	9	33.8	2.70	9.0
Ottawa	54	— 9	27.9	1.64	9.5	Joseph	50	— 4	26.0	1.95	14.5	Pottstown	49	13	34.3	2.70	9.0
Pataskala	58	0	29.2	2.01	6.7	Junction City ¹	56	28	40.4	7.79	3.5	Quakertown	52	1	30.2	2.57	7.5
Philo	55	— 2	31.0	0.67	4.8	Kerby	56 ^a	18	37.5	14.93	11.5	Reading ¹	—	—	—	2.40	—
Plattsburgh	55	— 7	29.0	2.30	11.0	Klamath Falls	44	— 6	25.2	—	53.0	Renovo ^a	54	4	29.2	1.88	7.0
Pomeroy	58	— 7	28.0	1.68	8.2	Lafayette ¹	58	28	40.2	8.23	10.0	Renovo ^b	—	—	—	1.87	10.8
Portsmouth ^a	—	—	—	1.28	2.0	Lagrange	49	— 2	33.1	1.78	2.5	Saegerstown	52	— 10	27.8	2.52	10.8
Portsmouth ^b	63	10	34.0	1.58	3.9	Lakeview	61	— 5	27.0	3.01	17.8	St. Marys	46	— 3	24.6	1.86	18.9
Pulse	—	—	—	1.55	3.4	Lone rock	67	—	—	2.67	17.5	Seishtonsville	—	—	—	2.51	—
Richwood	55	— 8	27.7	1.71	8.3	McMinnville	54	27	39.1	10.24	2.0	Selinsgrove	47	6	30.2	2.03	11.0
Ripley	61	— 2	33.4	0.99	5.3	Merlin ¹	54	24	37.7	4.18	5.5	Shawmount	—	—	—	2.59	6.0
Rittman	58	— 5	29.3	2.28	5.0	Monmouth	54	29	39.6	6.18	6.2	Sinnamahoning	—	—	—	1.49	9.5
Rockyridge	54	— 6	27.8	1.53	3.8	Monroe	52	26	43.8 ^a	11.43	6.0	Smethport	50	— 3	25.2	2.40	9.0
Rosewood	53	— 7	28.1	2.44	5.0	Mount Angel	57	27	39.0	7.53	0.4	Smiths Corners	—	—	—	2.36	—
Shenandoah	55	— 4	26.8	1.39	4.3	Nehalem	—	—	—	14.73	4.3	Somerset	52	— 2	26.7	4.41	15.4
Sidney	52	— 5	28.0	2.02	7.8	Newberg	56	27	39.0	9.15	—	South Eaton	46	0	27.6	0.92	1.0
Sinking Spring	55	1	31.5	1.12	4.0	Newbridge	51	1	30.7	0.68	2.5	Springmount	—	—	—	2.25	—
Somerset	56	— 2	32.0	1.72	5.1	Newport	61	29	46.2	10.89	—	State College	52	4	27.7	1.88	9.2
Springfield	—	—	—	1.81	4.5	Pendleton	60	12	36.2	1.58	7.4	Sunbury	—	—	—	1.25	8.0
Strongsville	—	—	—	2.28	5.0	Placer	—	—	—	7.06	29.0	Swarthmore	56	— 9	29.6	2.81	8.4
Swanton	—	—	—	2.01	5.0	Prineville	76	— 3	32.7	0.72	8.8	Towanda	48	— 8	26.8	0.91	4.5
Thurman	60	4	34.6	0.70	—	Riddle ¹	60	28	37.4	7.16	7.0	Troutrun	—	—	—	1.48	7.6
Tiffin	59	— 1	28.2	1.86	13.8	Riverside	58	5 ^b	30.6	0.40	1.0	Uniontown	55	7	38.0	3.00	9.0
Upper Sandusky	51	— 3	30.3	1.50	6.0	Salem ^a	55	28	38.0	7.48	8.0	Warren	47	— 3	26.0	3.06	8.3
Urbana	55	— 6	28.8	2.36	7.5	Sheridan ¹	55	26	37.8	9.02	9.0	Wellsboro	52	1	27.7	1.27	7.5
Vanwert	54	— 6	28.4	1.88	8.8	Silver lake	54	— 7	28.6	0.08	0.8	Westchester	55	7	31.2	3.02	9.2
Vermillion	57	— 5	27.3	1.39	7.6	Silver lake	62	28	40.0	7.40	1.0	West Newton	—	—	—	1.79	5.0
Walnut	—	—	—	1.30	5.3	Siskiyou ¹	48	18	31.8	10.20	102.0	Westtown	48	6	29.8	3.08	11.7
Warren	53	3	28.0	1.89	10.2	Sparta	44	9	26.9	2.00	19.0	Wilkesbarre	48	8	28.6	2.10	7.0
Warsaw	54	3	29.5	1.92	6.0	Springfield ¹	57	29	38.4	8.98	3.0	Williamsport	49	6	29.3	1.40	6.5
Wauseon	52	— 10	25.9	2.10	12.5	Stafford	55	24	37.0	11.98	19.0	York	52	8	30.1	2.72	10.7
Waverly	59	4	31.1	1.41	6.2	The Dalles	52	20	35.4	8.46	9.8	<i>Rhode Island.</i>	—	—	—	—	—
Waynesville	57	— 3	30.8	1.88	7.0	Toledo	58	28	42.0	10.68	0.5	Bristol	47	1	29.4	1.21	4.0
Wellington	56	— 2	28.6	1.68	9.0	Umatilla	—	—	—	0.92	2.5	Kingston	50	— 6	26.4	2.44	6.0
Westerville	54	1	30.2	2.05	7.7	Vale	54	7	32.8	0.98	3.0	Pawtucket	51	6	31.0	2.10	6.5
Willoughby	—	—	—	1.74	5.0	Westford ¹	48	26	34.0	10.87	8.2	Providence ^a	50	— 8	28.6	1.93	5.8
Wooster	53	— 4	28.3	1.58	3.5	Weston	61	10	32.4	2.56	15.5	Providence ^b	50	— 6	26.8	2.14	5.0
Youngstown	—	—	—	1.67	4.0	Williams	58	20	37.2	8.07	11.0	<i>South Carolina.</i>	—	—	—	—	—
Zanesville	—	—	—	1.51	8.0	Aleppo	56	10	32.6	1.71	4.0	Batesburg	70	20	43.6	3.75	—
<i>Oklahoma.</i>	—	—	—	—	—	Altoona	58	1	28.3	1.89	—	Beaufort	70	30	50.8	3.28	—
Arapaho	71	— 5	39.0	0.25	T.	Athens	49	— 5 ^b	27.1 ^c	0.74	8.8	Blackville	77	24	46.3	5.54	—
Beaver	68	— 6	34.0	0.10	T.	Beaver Dam	—	—	—	—	—	Calhoun Falls	—	—	—	3.75	—
Blackburn	67	5	37.0	0.94	T.	Bellefonte	58	6	30.2	2.08	11.0	Camden	—	—	—	2.95	—
Burnett	75	10	41.9	0.38	T.	Brookville	—	—	—	1.68	9.2	Clemson College	67	19	41.4	5.32	T.
Clifton	74	8	41.0	0.75	T.	Browers Lock	—	—	—	3.11	—	Conway	—	—	—	3.30	—
Fort Keno	69	4	38.6	0.45	T.	Butler	53	— 1	28.4	2.89	9.8	Darlington	—	—	—	3.63	—
Fort Sill	72	6	42.0	0.80	T.	Carlisle	43	10	39.2	1.93	10.0	Edisto ^c	—	—	—	3.18	—
Hennessey	70	9	38.9	0.95	T.	Cassandra	50	1	27.1	2.54	17.2	Ephingham	—	—	—	4.81	—
Jefferson	68	— 4	35.8	0.40	0.8	Chambersburg	51	8	29.6	1.64	4.1	Florence	76	26	44.3	3.41	T.
Jenkins	69	— 2	37.0	0.25	1.0	Coatesville	55	6	31.6	3.13	11.5	Gaffney	—	—	—	2.91	—
Kenton	68	— 11	30.0	0.40	4.0	Confidence	55	— 3	28.4	2.91	6.6	Georgetown	67	28	45.7	5.15	—
Kingfisher	70	6	39.8	0.90	T.	Davis Island Dam	—	—	—	1.80	4.7	Gillisonville	79	21	48.1	2.61	—
Mangum	69	18	43.4	0.20	T.	Derry Station	56	3	30.4	2.55	6.0	Greenville	65	21	40.8	4.95	—
Newkirk	60	7	37.0	0.55	T.	Dryden	—	—	—	2.35	—	Greenwood	69	24	43.5	3.96	—
Norman	71	12	40.6	0.55	T.	Driftwood	46	— 4	26.8	1.90	9.5	Kingtree ^b	74	26	45.8	3.83	—
Pawhuska	64	9	36.8	0.70	T.	Duncannon	—	—	—	1.90	8.5	Liberty	65	18	42.8	5.60	—
Perry	66	— 6	39.0	0.98	T.	Dushore	45	— 7	24.4	1.10	6.7	Little Mountain	71	25	45.2	3.27	—
Prudence	72	— 3	36.8	0.28	T.	Dyberry	48	— 8	23.4	1.98	9.0	Longshore	71	21	44.2	4.89	T.
Sac and Fox Agency	71	8	40.0	0.55	T.	East Bloomsburg	—	—	—	1.33	9.8	McCall	77	24	44.1	2.97	—
Stillwater	67	9	40.8	0.62	T.	East Mauch Chunk	47	— 6	25.3	2.08	8.8	Pinopolis ^a	73	28	45.9	1.20	—
Taloga	70	4	37.4	0.50	T.	Easton	48	2	29.8	2.14	4.7	St. Matthews	75	26	46.8	4.43	—
Texico	75	4	41.5	T.	Ellwood Junction	—	—	—	2.67	5.0	St. Stephens	—	—	—	3.64	—	
Vittum	65	9	39.2	0.27	T.	Emporium	50	— 1	28.8	2.55	13.5	Santuck	72	21	43.4	3.06	T.
Waakomis	68	3	38.5	0.45	T.	Ephrata	52	5	30.7	2.40	7.8	Shaws Fork	75	21	45.6	4.89	—
Woodward	72	1	38.9	0.50	T.	Freeport	58	— 2	28.4	2.31	8.0	Smiths Mills	—	—	—	3.88	—
<i>Oregon.</i>	—	—	—	—	—	Girardville	—	—	—	2.90	7.8	Societyhill	78	25	48.2	2.76	—
Albany ^a	55	28	40.6	6.44	1.0	Grimpian	50	— 2	25.0								

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>South Dakota—Cont'd.</i>																				
Chamberlain	62	-10	26.2	0.08	0.8		Treacy City	63	16	37.8	4.98	T.			Utah—Cont'd.	o	o	o	Ins.	Ins.
Clark	52	-13	18.7	0.10	1.0		Tullahoma	65	16	38.7	4.60	T.			Fillmore	60	-2	31.2	0.35	0.35
Desmet	54	-11	17.9	0.20	2.0		Union City	64	17	40.0	2.95	T.			Fishingsprings	55	5	32.3	0.22	2.0
Doland	55	-13	17.4	0.09	1.2		Waynesboro	65	15	40.0	5.25				Fort Duchesne	49	-13	32.0	0.25	3.1
Elkpoint	53	-5	28.7	0.34	9.2		Wildersville	65	20	42.0	4.28	T.			Frisco	51	-2	31.8	0.35	3.1
Farmingdale							Yukon	65	18	40.1	5.08				Giles	57	-12	37.8	0.18	3.1
Faulkton	57	-16	18.4	0.15	2.5										Government Creek				0.55	6.1
Flandreau	45	-13	15.7	0.05	0.6										Green River	55	-7	34.8	0.19	1.1
Forestburg	58	-16	19.8	0.05	0.5										Grover	53	3	36.4	0.30	3.6
Fort Meade	58	-10	27.0	0.47	4.7										Heber	47	-11	33.7	2.20	4.6
Gannvalley	57	-10	20.3	0.30	3.0										Henefer	52	-26	32.0	0.12	6.1
Gary	41	-17	17.2	0.15	1.5										Hite	58	9	36.7		
Grand River School	57	-11	20.6	T.	T.										Holyoke	58	3	32.4	1.06	0.3
Greenwood	61	-7	27.1	0.24	2.4										Huntsville				1.85	4.6
Hartman	53	-13	18.6	0.09	1.0										Kelton*	45	-6	38.4	0.30	6.0
Highmore	55	-12	19.8	0.80	3.0										Levan	50	-7	38.4	0.98	6.1
Hotch City	61	-16	24.7	0.10	1.0										Loa	55	-19	19.1	T.	
Howard	54	-5	19.0	0.26	2.5										Logan	47	-1	28.3	1.13	
Interior	60	-12	26.8	T.	T.										Lund	49	-12	39.0	0.15	1.1
Ipswich	55	-20	15.6	0.08	0.5										Manti	55	-10	38.3	0.02	0.2
Kimball	59	-13	28.0	0.16	1.6										Meadowville	48	-8	33.4	1.10	5.6
Leola	54	-23	18.6	T.	T.										Millville	54	-1	31.8	0.45	3.1
Leslie	62	-10	28.0	T.	T.										Minersville	54	-2	31.0	0.92	2.6
Mellette	57	-15	20.3	0.10	1.0										Moab	57	-4	32.6	0.56	2.7
Mennio	58	-9	21.9	0.11	1.6										Mount Pleasant	52	-7	32.4	0.71	5.6
Millbank	50	-10	16.6	0.30	3.0										Park City	48	-5	35.0	2.24	22.0
Mitchell	59	-9	24.2	0.11	1.0										Parowan	50	-7	29.0	0.68	5.1
Mound City	55	-15	17.8	T.	T.										Pinto	50	-12	29.9	1.72	0.1
Oreliche	58	-8	27.8	0.00											Promontory*	49	-3	34.6	0.27	2.7
Parker	52	-10	21.6	0.07	1.5										Provо	57	-6	31.2	0.22	2.7
Pine Ridge		-14													Richfield	51	0	34.4	0.60	6.0
Plankinton	52	-15	21.2	0.04	1.0										St. George	64	-1	36.0	0.75	
Redfield	58	-14	20.6	0.08	2.0										Scipio	57	-13	38.6	0.60	3.6
Rochford	57	-25	24.7	0.28	2.8										Snowville	44	-10	36.6	0.87	8.1
Roebud	56	-9	24.0	0.10	1.0										Thistle	62	-20	38.5		
St. Lawrence	60	-19	20.5	0.02	0.2										Tooele	50	5	31.5	0.74	8.1
Silver City															Tropic	48	-12	33.7	1.20	
Sioux Falls	50	-7	17.0	T.	T.										Vernal	47	-7	33.9	0.71	5.1
Sisseton Agency	44	-17	14.6	0.17	3.2										Wellington	46	-24	14.0		
Spearsfish	59	-7	28.9	0.88	4.0										Woodruff					
Tyndall	60	-1	24.5	0.18	2.0										Vermont.					
Vermillion	55	0	25.4	0.17	1.5										Bennington	46	-14	21.8	1.45	2.1
Watertown	49	-14	16.0	0.13	1.3										Burlington	39	-11	20.2	1.76	16.1
Waubay	43	-17	11.6	0.10	4.0										Chester	49	-23	15.4	2.58	27.1
Wentworth	55	-13	18.9	0.12	1.2										Cornwall	41	-17	19.0	1.79	
Wessington Springs	-17														Derby	41	-27	13.8	2.44	24.1
Wolsey															Enosburg Falls	42	-29	18.0	5.17	
<i>Tennessee.</i>															Hartland	45	-25	16.6	2.22	20.0
Andersonville	63	17	36.8	4.68	4.0										Jacksonville	42	-20	17.8	3.10	27.0
Ashwood	67	18	41.2	3.97											Manchester	43	-11	20.1	1.35	11.1
Benton	65	22	40.8	6.31											Norwich	41	-26	14.6	2.29	19.0
Bluff City															St. Johnsbury	39	-31	12.9	2.06	23.1
Bolivar	68	20	42.0	3.75	T.										Vernon*	44	-24	20.2	1.93	21.4
Bristol	60	15	34.7	2.20	1.0										Wells	44	-16	18.2	1.33	18.0
Byrdstown	65	14	37.8	2.83	T.										Woodstock	45	-23	18.6	2.06	25.1
Carthage	68														<i>Virginia.</i>					
Charleston															Alexandria	63	13	35.2	2.86	3.1
Clarksville	68	20	39.2	3.99	T.										Ashland	70	14	38.1	8.11	4.1
Clinton															Barboursville	70	26	39.0	2.73	4.1
Decatur	64	20	40.0	4.94	T.										Bedford	67	12	38.2	2.68	4.1
Dickson	69	15	40.1	3.42	T.										Bigstone Gap	61	15	35.4	4.83	5.6
Dover	67	15	39.2	2.95											Birdsnest	57	17	36.4	1.85	3.4
Elizabethhton	65	16	36.2	3.81	4.0										Blacksburg	64	11	33.0	2.85	6.6
Elli Valley	68	12	38.2	1.85	T.										Bozeman	77	13	37.4	3.79	8.1
Erasmus	67	13	36.4	5.29	T.										Buckingham	70	10	35.8	8.49	2.1
Florence	66	19	40.1	3.50	T.										Burkes Garden	57	5	31.8	4.07	10.4
Franklin	69	18	39.9	3.47											Callaville	69	11	37.4	2.21	0.1
Grace*	70	18	38.2	5.00											Charlottesville	69	12	37.8	2.74	
Greeneville	63	15	36.8	4.45	0.6										Christiansburg				1.74	
Harriman	65	19	38.8	3.64	0.5										Columbia	69	11	40.0	3.70	3.1
Hohenwald	65	11	38.1	4.80	T.										Enterprise	65	8	33.9	2.04	
Iron City	68	23	40.8	5.11											Doswell	65	10	34.4	2.73	4.1
Jackson	68	23	43.8	2.60											Farmville	68	10	39.0	2.95	2.9
Johnsonville	70	13	40.4	3.64											Fredericksburg	65	15	37.0	3.09	5.1
Jonesboro*	60	19	34.9	4.06	0.5										Grahams Forge	59	21	41.6	2.82	1.1
Kingston															Hampton	59	0	30.2	3.38	2.0
Lafayette*	67	13	37.6	4.00											Holiday Inn	69	13	36.2	3.00	4.1
Lewisburg	68	18	40.6	4.44	T.										Lexington	69	13	36.2	3.00	4.1
Lynnville	66	19	40.8	4.71	T.										Lincoln	63	20	32.8	1.70	T.
McKenzie	68	17	41.4	3.25	T.										Manassas	64	10	34.6	2.28	
McMinnville	70	18	40.9	5.30											Marion	64	5	34.4	3.65	7.4
Newport	62	18	38.6	4.43	T.										Meadowdale	64	23	42.1	1.88	1.1
Nunnelly	69	15	40.0	3.55	T.										Newport News	68	23	42.1	1.88	1.1
Oakhill	67	15	39.8	3.88	T.										Petersburg	69	15	39.1	2.68	T.
Palmetto	67	18	40.4	4.07											Radford	62	14	35.6	8.94	4.1
Perryear*	65	18	42.5	1.97	T.										Rockymount	62	20	36.0	2.20	
Pope	68	13	40.2	4.71	T.															

TABLE II.—Climatological record of voluntary and other cooperating observers—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
Virginia—Cont'd.	°	°	°	In.	In.		West Virginia—Cont'd.	°	°	°	In.	In.		Wyoming—Cont'd.	°	°	°	In.	In.	
Woodstock.....	53	10	31.8	2.45	2.0		Princeton.....	59	9	31.6	5.95	14.5		South Pass City.....	44	—	17.5	0.88	3.8	
Wytheville.....	66	13	35.1	2.45	5.0		Romney.....	60	7	33.2	1.81	—		Spring Hill.....	46	—	—	1.00	10.0	
Washington.....							Rowlesburg.....				3.05	23.0		Wheatland.....				0.05	0.5	
Aberdeen.....	57	20	37.6	9.74	11.2		Southside.....	65	16	36.8	1.78	5.8		Cuba.						
Anacortes.....				3.33	5.0		Spencer.....	64	5	35.4	2.56	13.5		Aguacate.....	90	38	67.6	1.91		
Ashford.....				8.34	18.5		Terra Alta.....	60	2	25.2	—	—		Alvarez.....						
Bremerton.....	58	24	39.5	8.86	15.0		Upper tract.....	59	9	34.8	1.58	2.0		Alstralla.....	87	57	68.4	0.47		
Bridgeport.....	57	0	38.5	1.55	14.5		Wellsburg.....	53	5	29.9	1.75	6.0		Banaguises.....	89	49	69.8	1.87		
Brinon.....	49	25	37.1	10.84	23.0		Westford.....				2.49	12.2		Batabano.....	80	44	67.8	0.80		
Cedonia.....	39	—	28.8	2.54	22.8		Weston b.....	59	2	31.4	—	—		Cruces.....				1.12		
Centerville.....	48	—	28.5	5.16	10.0		Wheeling a.....	61	15	35.4	4.66	6.4		Gibara.....	90	49	71.2	2.77		
Chehalis.....	50	24	39.6	3.61	—		Wheeling b.....	69	18	38.6	—	—		Guabaro.....				2.65		
Cheney.....				2.50	14.4		Wiggins.....	61	16	36.2	2.31	2.1		Guanajay.....	83	52	67.9	2.73		
Clearwater.....	50	30	38.0	13.52	14.6		Williamson.....	64	14	35.7	1.43	3.0		Guantanamo.....	89	46	73.4	0.42		
Cle Elum.....	50	8	29.4	4.78	19.5		Winfield.....							Guines.....	90	67	80.1	1.62		
Colfax.....	52	8	33.0	2.76	7.5		Wisconsin.							Holguin.....	85	49	71.7	0.95		
Colville.....	46	—14	25.6	1.83	14.7		Amherst.....	44	—11	15.5	0.95	8.5		Isabel, Guantanamo.....	91	—	—	1.15		
Conconully.....	43	—10	21.7	2.37	27.2		Ashland.....	46	—26	10.6	0.49	4.9		Los Canos.....	91	43	73.4	0.89		
Connell.....				0.63	5.0		Barron.....	40	—12	17.1	0.10	1.0		Magdalena.....	88	43	68.6	0.75		
Coupeville.....	53	24	37.8	2.56	7.0		Bayfield.....	49	—11	23.8	1.44	10.2		Manzanillo.....	89	69	78.6	0.55		
Crescent.....	42	—3	27.0	1.65	9.5		Beloit.....	50	—18	21.2	1.47	11.0		Matanzas.....	87	40	68.1	2.35		
Dayton.....	58	8	31.2	2.79	9.1		Butternut.....	41	—24	11.4	0.72	—		Moron Trocha.....	90	45	71.5	0.50		
Ellensburg.....	48	3	29.6	1.97	7.2		Citypoint.....	46	—12	16.1	0.65	10.5		Numerio.....	87	53	71.0	0.69		
Ellensburg (near).....	44	2	28.0	1.85	8.5		Delavan.....	44	—11	19.9	0.75	8.7		Pinar del Rio.....	85	50	68.9	1.43		
Grandmound.....	52	23	38.5	6.65	9.8		Dodgeville.....	46	—21	19.7	0.74	10.0		Romeile, Guantanamo.....				1.54		
Granite Falls.....				4.86	5.4		Easton.....	47	—23	16.4	0.52	10.0		Sagua la Grande.....	87	47	69.1	0.78		
Hooper.....	54	—5	31.8	1.96	5.0		Eau Claire.....	45	—16	20.0	0.56	6.0		Santa Clara.....	89	45	68.8	0.46		
Issaquah.....				6.14	4.5		Florence.....	45	—15	14.6	0.55	8.0		Sancti Spiritus.....	87	57	72.6	1.12		
Lacenter.....	55	26	37.9	6.06	17.5		Fond du Lac.....	44	—15	19.3	0.40	7.8		Santa Cruz del Sur.....	87	52	73.0	0.61		
Lakeside.....	49	3	37.3	2.13	12.5		Grand River Locks.....				0.36	8.0		Soledad.....	86	47	69.2	1.61		
Lind.....	45	—6	28.0	1.86	8.3		Grantsburg.....	40	—31	11.8	0.50	5.0		Soledad, Guantanamo.....	91	44	72.7	1.68		
Mayfield.....	50	24	35.3	6.37	8.0		Hartford.....	47	—19	20.5	1.81	9.5		Yaguajay.....	90	52	71.1	0.68		
Monte Cristo.....	46	13	31.2	—	—		Harvey.....	45	—12	20.2	0.72	9.5		Yateras.....				0.89		
Mottinger Ranch.....	56	15	35.2	0.90	2.3		Hayward.....	46	—31	18.0	0.94	—		Porto Rico.						
Mount Pleasant.....	57	24	37.6	9.21	21.2		Heafford.....	43	—23	12.2	0.60	8.0		Adjuntas.....				6.19		
Moxee Valley.....	53	5	30.7	1.67	8.5		Medford.....	44	—22	12.0	0.35	2.5		Aguadilla.....	88	59	72.7	2.51		
New Whatcom.....	55	9	37.8	3.97	11.3		Menasha.....				0.83	4.2		Arecibo.....	86	59	72.0	3.04		
Northport.....	—12	—	—	1.90	19.0		Neillsville.....	44	—19	15.2	0.50	5.0		Bayamon.....	92	55	74.6	3.50		
Olga.....	50	34	38.0	2.84	7.0		Lancaster.....	48	—17	19.4	0.66	8.5		Canovanas.....	85	61	74.8	2.98		
Olympia.....	53	29	37.7	8.57	—		Madison.....	44	—9	20.2	0.62	8.3		Caye.....	90	52	73.1	4.99		
Pasco.....	55	10	32.6	0.84	0.8		New Holstein.....	47	—7	20.6	1.37	4.5		Cidra.....	86	55	70.9	7.47		
Pinehill.....	58	16	35.0	6.72	25.2		New London.....	44	—12	17.6	0.58	4.5		Coamo.....	91	58	76.4	14.20		
Port Townsend.....	53	26	39.5	2.33	6.0		Oconto.....	46	—11	18.9	1.45	14.5		Comerio.....	89	50	73.0	5.19		
Pullman.....	47	12	31.1	0.81	4.0		Osceola.....	42	—29	10.8	0.88	4.0		Corozal.....	89	51	71.8	6.11		
Republic.....	48	—17	22.8	2.40	24.0		Oshkosh.....	45	—8	21.6	1.80	—		Fajardo.....	89	59	76.5	6.07		
Ritzville.....				1.13	5.0		Pepin.....	44	—17	14.1	0.49	6.0		Hacienda Coloso.....	89	55	73.7	2.45		
Rosalia.....	48	5	30.4	2.55	9.4		Pine River.....	47	—15	16.5	0.50	9.0		Hacienda Perla.....	87	61	74.8	5.57		
Sedro.....	55	15	36.0	1.81	7.7		Portage.....	47	—10	20.7	0.53	6.0		Humacao.....	92	54	74.4	5.67		
Silvana.....	54	17	37.4	5.43	10.7		Port Washington.....	59	—9	22.0	1.70	12.0		Isabela.....	87	61	75.3	3.52		
Snohomish.....	52	21	37.4	4.50	7.5		Prairie du Chien a.....	49	—11	23.2	0.77	8.2		Juana Diaz.....	95	55	76.0	8.85		
Southbend.....	58	27	40.3	10.89	4.8		Prairie du Chien b.....				0.49	7.0		La Isolina.....	86	53	72.0	7.08		
Sprague.....				3.15	11.0		Racine.....	50	—10	24.6	0.83	—		Lajas.....	89	53	72.6	2.60		
Sunnyside.....	55	6	30.7	0.86	3.8		Shawano.....	42	—10	17.0	1.05	11.0		Manati.....	91	57	74.5	5.64		
Twin.....	55	24	38.0	7.87	4.5		Sheboygan.....	46	—8	23.1	1.00	10.0		Maunabo.....	86	56	78.3	6.57		
Union.....	52	24	38.2	11.87	21.8		Spooner.....	41	—30	11.5	0.21	1.6		Mayaguez.....	91	61	76.6	2.19		
Usk.....	44	0	24.5	—	—		Stevens Point.....	45	—15	24.1	0.49	6.0		Monovis.....	87	56	72.0	6.25		
Vancouver.....	56	25	38.8	6.66	15.2		Watertown.....	43	—10	18.9	0.99	10.2		Ponce.....				2.38		
Waterville.....	45	—13	23.7	2.68	16.0		Waukesha.....	45	—16	19.6	1.02	9.2		Salinas.....				0.96		
Wenatchee (near).....	46	—6	24.8	3.47	20.2		Waupaca.....	45	—15	20.6	1.02	7.3		San Lorenzo.....	90	54	73.4	6.36		
Wilbur.....	42	—12	24.1	1.57	15.2		Wausaukee.....	49	—10	18.0	1.00	10.0		Utuado.....	86	56	73.4	4.09		
West Virginia.							Wausau.....	42	—10	17.0	1.05	11.0		Vieques.....	90	63	77.6	5.74		
Beckley.....	62	12	33.4	2.51	11.0		Whitehall.....	44	—12	23.4	0.45	6.6		Yauco.....	90	59	74.0	3.04		
Beverly.....	57	0	32.2	3.87	21.0		Wyoming.							Mexico.						
Bluefield.....	62	9	34.3	8.35	16.0		Alcova.....	52	—18	29.4	0.10	1.0		Ciudad P. Diaz.....	80	30	56.1	0.29		
Bucknannon.....	57	0	32.1	2.71	12.0		Bedford.....	45	—21	19.6	1.24	12.4		Coatzacoalcos.....	88	55	70.4	9.19		
Burlington.....	60	5	32.2	1.95	2.0		Bitter Creek.....	60	—32	23.3	0.05	0.5		Leon de Aldamas.....	78	37	56.1	0.03		
Byrne.....	63	10	36.5	—	—		Buffalo.....	60	—8	23.5	0.03	0.8		Puebla.....	75	38	56.8	0.28		
Cairo.....	60	3	35.6	3.10	9.0		Burlington.....	47	—17	23.4	T.	T.		Tampico.....	78	46	64.6	0.28		
Camden.....	60	10	37.2	2.45	10.6		Casper.....	56	—20	31.6	0.10	1.5		Topolobampo *1.....	86					

TABLE II.—*Climatological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Montana.</i>	°	°	°	<i>Ins.</i>	<i>Ins.</i>	<i>Texas.</i>	°	°	°	<i>Ins.</i>	<i>Ins.</i>
Lewistown	61	-10	30.8	0.90	9.0	Rhineland	74	14	46.0	0.32	
<i>Nebraska.</i>						<i>Utah.</i>					
Franklin	71	-8	34.5	0.10	1.0	Meadowville	55	-11	28.4	0.41	1.1
<i>Merriam.</i>						<i>Washington.</i>	52	9	35.2	8.51	.....
<i>Nevada.</i>						<i>Wilbur.</i>					
Verdi*	62	0	34.6	1.15	7.0	<i>Porto Rico.</i>					
<i>New Mexico.</i>						<i>Salinas.</i>					
Hillsboro	60	20	40.2	0.30	3.0	<i>Nicaragua.</i>					
<i>New York.</i>						<i>Rivas.</i>	89	75	62.5	1.81	
Hemlock Lake	50	2	30.2	1.73	8.5	<i>Isthmus of Panama.</i>					
<i>North Carolina.</i>						<i>Alhajuela.</i>	90	68	78.1	1.14	
Washington	68	20	46.6	5.63		<i>La Boca.</i>	89	73	60.2	.....
<i>Ohio.</i>											
Bellefontaine	51	9	23.5	.....						
<i>Pennsylvania.</i>											
Confluence	55	5	29.6	2.15	3.8						
Warren	49	-1	27.8	2.17	13.8						
Williamsport	49	9	31.6	2.15	T.						
<i>South Dakota.</i>											
Sioux Falls	50	-16	17.4	0.55	5.5						
<i>Tennessee.</i>											
Peryear	54	21	40.8	2.21							

EXPLANATION OF SIGNS.

* Extremes of temperature from observed readings of dry thermometer.

A numeral following the name of a station indicates the hours of observation from which the mean temperature was obtained, thus:

¹ Mean of 7 a. m. + 3 p. m. + 9 p. m. + 9 p. m. + 4.

² Mean of 8 a. m. + 8 p. m. + 2.

³ Mean of 7 a. m. + 7 p. m. + 2.

⁴ Mean of 6 a. m. + 6 p. m. + 2.

⁵ Mean of 7 a. m. + 2 p. m. + 2.

⁶ Mean of readings at various hours reduced to true daily mean by special tables.

⁷ Mean from hourly readings of thermograph.

⁸ Mean of sunrise and noon.

¹⁰ Mean of sunrise, noon, sunset, and midnight. The absence of a numeral indicates that the mean temperature has been obtained from daily readings of the maximum and minimum thermometers.

An italic letter following the name of a station, as "Livingston *a*," "Livingston *b*," indicates that two or more observers, as the case may be, are reporting from the same station. A small roman letter following the name of a station, or in figure columns, indicates the number of days missing from the record; for instance "*a*" denotes 14 days missing.

No note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the precipitation record receive appropriate notice.

CORRECTIONS.

October, 1900, Alaska, Coal Harbor, page 456, strike out all data and enter 60, 25, 43.4, 5.35.

December, 1900, Tucson, Ariz., make minimum temperature 25 instead of 28, and mean temperature 51.6 instead of 52.4.

NOTE.—The following changes have been made in the names of stations: California, Deweyville changed to Wa-co; Lankershim changed to Storey, Mississippi, Logtown changed to Pearlington, Nevada, Duck Valley changed to Owyhee; Empire Ranch changed to Potts.

January, 1901, on page 7, in last line of 5th column of table, make 467.77 read 465.77.

TABLE III.—Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of January, 1901.

Stations.	Component direction from—				Resultant.		Stations.	Component direction from—				Resultant.	
	N.	S.	E.	W.	Direction from—	Duration.		N.	S.	E.	W.	Direction from—	Duration.
<i>New England.</i>													
Eastport, Me.	Hours.	Hours.	Hours.	Hours.	°	Hours.	Upper Mississippi Valley.—Cont'd.	Hours.	Hours.	Hours.	°	Hours.	
Portland, Me.	31	7	11	26	n. 32 w.	28	Lacrosse, Wis.	12	2	11	s. 84 w.	9	
Northfield, Vt.	29	12	2	31	n. 60 w.	34	Davenport, Iowa	16	16	12	w.	21	
Boston, Mass.	27	29	3	6	s. 63 w.	4	Des Moines, Iowa	25	17	16	n. 41 w.	11	
Nantucket, Mass.	25	13	5	31	n. 65 w.	29	Dubuque, Iowa	19	18	15	s. 66 w.	13	
Block Island, R. I.	25	10	10	22	n. 34 w.	18	Keokuk, Iowa	15	22	13	s. 68 w.	18	
New Haven, Conn.	30	7	11	30	n. 40 w.	30	Cairo, Ill.	21	23	12	s. 76 w.	8	
	32	8	5	27	n. 37 w.	36	Springfield, Ill.	8	21	8	s. 61 w.	26	
<i>Middle Atlantic States.</i>							Hannibal, Mo.	7	12	4	s. 66 w.	12	
Albany, N. Y.	Hours.	Hours.	Hours.	Hours.	°	Hours.	St. Louis, Mo.	17	20	11	s. 78 w.	14	
Binghamton, N. Y.†	16	4	5	18	n. 48 w.	26							
New York, N. Y.	29	10	9	32	n. 50 w.	30	<i>Missouri Valley.</i>						
Harrisburg, Pa.†	12	4	9	12	n. 21 w.	8	Columbia, Mo.*	11	10	5	n. 84 w.	9	
Philadelphia, Pa.	30	14	11	26	n. 43 w.	22	Kansas City, Mo.	20	24	8	s. 76 w.	16	
Scranton, Pa.	31	13	17	19	n. 6 w.	18	Springfield, Mo.	19	22	12	s. 75 w.	11	
Atlantic City, N. J.	32	11	8	26	n. 41 w.	28	Lincoln, Nebr.	25	24	8	n. 83 w.	8	
Cape May, N. J.	29	12	9	26	n. 45 w.	24	Omaha, Nebr.	24	21	10	n. 72 w.	10	
Baltimore, Md.	19	10	13	30	n. 62 w.	19	Valentine, Nebr.	25	14	4	s. 70 w.	33	
Washington, D. C.	29	15	14	23	n. 33 w.	16	Sioux City, Iowa†	11	9	7	n. 68 w.	5	
Lynchburg, Va.	19	19	8	35	w.	27	Pierre, S. Dak.	22	11	23	n. 5 e.	11	
Norfolk, Va.	24	20	10	18	n. 68 w.	9	Huron, S. Dak.	22	17	16	n. 63 w.	11	
Richmond, Va.	25	21	7	21	n. 74 w.	15	Yankton, S. Dak.†	11	8	7	n. 41 w.	11	
<i>South Atlantic States.</i>													
Charlotte, N. C.	19	23	13	20	s. 60 w.	8	<i>Northern Slope.</i>						
Hatteras, N. C.	23	11	6	26	n. 42 w.	30	Havre, Mont.	14	18	12	s. 80 w.	22	
Raleigh, N. C.	24	15	7	29	n. 68 w.	24	Miles City, Mont.	21	25	6	s. 77 w.	18	
Wilmington, N. C.	26	12	13	23	n. 45 w.	20	Helema, Mont.	10	24	1	s. 73 w.	47	
Charleston, S. C.	28	10	10	25	n. 40 w.	23	Kalispell, Mont.	14	13	4	43 w.	39	
Augusta, Ga.	28	12	11	22	n. 63 w.	24	Rapid City, S. Dak.	20	8	11	n. 64 w.	28	
Savannah, Ga.	25	13	9	25	n. 58 w.	23	Cheyenne, Wyo.	22	11	3	n. 74 w.	39	
Jacksonville, Fla.	29	11	10	23	n. 36 w.	22	Lander, Wyo.	14	27	16	s. 35 w.	16	
<i>Florida Peninsula.</i>							North Platte, Nebr.	13	19	8	s. 78 w.	28	
Jupiter, Fla.	21	11	14	30	n. 58 w.	19	<i>Middle Slope.</i>						
Key West, Fla.	33	9	31	5	n. 47 e.	35	Denver, Colo.	17	30	8	s. 49 w.	20	
Tampa, Fla.	33	11	13	24	n. 26 w.	25	Pueblo, Colo.	23	7	16	s. 37 w.	20	
<i>Eastern Gulf States.</i>							Concordia, Kans.	20	23	8	s. 78 w.	14	
Atlanta, Ga.	27	9	14	30	n. 42 w.	24	Dodge, Kans.	31	15	10	n. 29 w.	18	
Macon, Ga.†	14	7	6	13	n. 45 w.	10	Wichita, Kans.	32	21	7	n. 24 w.	12	
Pensacola, Fla.†	18	3	7	8	n. 4 w.	15	Oklahoma, Okla.	30	23	5	n. 45 w.	11	
Mobile, Ala.	29	22	8	16	n. 49 w.	11	<i>Southern Slope.</i>						
Montgomery, Ala.	26	14	14	18	n. 18 w.	13	Abilene, Tex.	16	33	13	s. 7 w.	17	
Meridian, Miss.†	13	7	6	11	n. 40 w.	8	Amarillo, Tex.	18	23	15	s. 58 w.	9	
Vicksburg, Miss.	23	21	20	16	n. 76 e.	4	<i>Southern Plateau.</i>						
New Orleans, La.	23	16	17	17	n.	7	El Paso, Tex.	22	9	14	s. 54 w.	23	
<i>Western Gulf States.</i>							Santa Fe, N. Mex.	31	13	10	n. 36 e.	23	
Shreveport, La.	16	81	9	15	n. 22 w.	16	Flagstaff, Ariz.	15	16	19	s. 88 w.	8	
Fort Smith, Ark.	19	13	24	19	n. 40 e.	8	Phoenix, Ariz.	14	15	27	s. 84 w.	10	
Little Rock, Ark.	18	22	13	26	n. 65 w.	14	Yuma, Ariz.	33	12	16	n. 11 e.	21	
Corpus Christi, Tex.	24	25	21	7	n. 86 e.	14	Independence, Cal.	32	18	7	n. 46 w.	28	
Fort Worth, Tex.†	23	27	7	15	n. 63 w.	9	<i>Middle Plateau.</i>						
Galveston, Tex.	20	24	25	9	n. 76 e.	16	Carson City, Nev.	18	28	12	s. 25 w.	17	
Palestine, Tex.	18	30	7	19	n. 45 w.	17	Winnemucca, Nev.	19	17	21	s. 63 w.	4	
San Antonio, Tex.	23	28	16	8	n. 69 e.	14	Modena, Utah.	8	19	18	s. 52 w.	18	
<i>Ohio Valley and Tennessee.</i>							Salt Lake City, Utah.	11	29	12	s. 25 w.	9	
Chattanooga, Tenn.	26	19	11	24	n. 62 w.	15	Grand Junction, Colo.	18	14	17	n. 70 w.	12	
Knoxville, Tenn.	23	20	13	27	n. 32 w.	14	<i>Northern Plateau.</i>						
Memphis, Tenn.	22	26	11	17	n. 56 w.	7	Baker City, Oreg.	10	38	10	s. 14 w.	29	
Nashville, Tenn.	23	21	10	24	n. 82 w.	14	Boise, Idaho.	13	23	21	s. 6 e.	10	
Lexington, Ky.	7	13	5	13	n. 58 w.	9	Lewiston, Idaho.†	3	12	6	s. 45 e.	14	
Louisville, Ky.	19	23	10	23	n. 73 w.	14	Pocatello, Idaho.	10	35	13	s. 2 w.	25	
Evansville, Ind.†	12	10	7	9	n. 45 w.	3	Spokane, Wash.	15	29	18	s. 16 e.	15	
Indianapolis, Ind.	15	23	10	29	n. 70 w.	20	Walla Walla, Wash.	4	44	7	s. 7 w.	40	
Cincinnati, Ohio.	16	19	16	25	n. 72 w.	10	<i>North Pacific Coast Region.</i>						
Columbus, Ohio.	10	21	15	27	n. 47 w.	16	Neah Bay, Wash.	2	22	29	s. 19 e.	21	
Pittsburg, Pa.	23	17	5	33	n. 78 w.	29	Port Crescent, Wash.†	0	13	15	s. 17 e.	14	
Parkersburg, W. Va.	18	23	5	27	n. 77 w.	23	Seattle, Wash.	19	30	4	s. 64 e.	26	
Elkins, W. Va.	18	15	4	34	n. 84 w.	30	Tacoma, Wash.	12	33	16	s. 5 e.	21	
<i>Lower Lake Region.</i>							Astoria.	13	16	31	s. 78 e.	14	
Buffalo, N. Y.	14	17	8	35	s. 84 w.	27	Portland, Oreg.	16	30	14	s. 20 w.	15	
Oswego, N. Y.	19	27	17	19	s. 14 w.	8	Roseburg, Oreg.	19	22	15	s. 69 w.	8	
Rochester, N. Y.	12	27	8	33	s. 59 w.	29	<i>Middle Pacific Coast Region.</i>						
Erie, Pa.	19	23	4	38	s. 84 w.	29	Eureka, Cal.	18	27	19	s. 34 e.	11	
Cleveland, Ohio.	13	23	11	24	s. 41 w.	20	Mount Tamalpais, Cal.	29	19	18	s. 27 e.	11	
Sandusky, Ohio.	15	23	5	34	s. 75 w.	30	Red Bluff, Cal.	39	12	11	s. 6 e.	27	
Toledo, Ohio.	15	24	8	27	s. 65 w.	21	Sacramento, Cal.	25	25	7	s. e.	9	
Detroit, Mich.	17	23	6	30	s. 78 w.	24	San Francisco, Cal.	26	13	18	s. 40 w.	17	
<i>Upper Lake Region.</i>							<i>South Pacific Coast Region.</i>						
Alpena, Mich.	14	17	5	38	s. 85 w.	33	Fresno, Cal.	21	11	23	n. 11 e.	10	
Escanaba, Mich.	18	17	2	37	n. 88 w.	35	Los Angeles, Cal.	26	7	23	n. 15 e.	20	
Grand Haven, Mich.	26	15	18	20	n. 32 w.	13	San Diego, Cal.	29	11	16	s. 37 w.	10	
Houghton, Mich.†	9	6	7	13	n. 65 w.	7	San Luis Obispo, Cal.	32	19	3	n. 38 w.	16	
Marquette, Mich.	16	21	3	36	s. 81 w.	33	<i>West Indies.</i>						
Port Huron, Mich.	16	25	3	32	s. 73 w.	30	Basseterre, St. Kitts Island	28	7	36	1	n. 59 e.	41
Sault Ste. Marie, Mich.	16	15	23	23	n. 1	1	Bridgetown, Barbados	14	12	51	0	n. 51 e.	88
Chicago, Ill.	18	21	5	33	s. 65 w.	31	Cienfuegos, Cuba.	41	4	33	4	n. 38 e.	47
Milwaukee, Wis.	21	16	3	33	n. 81 w.	30	Grand Turk, Turks Island, W. I.†	13	6	15	7	n. 49 e.	11
Green Bay, Wis.	9	23	5	28	s. 50 w.	30	Havana, Cuba.	24	5	34	9	n. 53 e.	31
Duluth, Minn.	21	16	6	34	n. 80 w.	28	Kingston, Jamaica.	48	0	30	0	n. 32 e.	56
<i>North Dakota.</i>							Port of Spain, Trinidad.	10	7	52	1	n. 87 e.	51
Moorhead, Minn.	23	17	15	27	n. 67 w.	13	Puerto Principe, Cuba.	41	6	29	7	n. 33 e.	41
Bismarck, N. Dak.	23	8	17	29	n. 39 w.	17	Roseau, Dominica, W. I.	19	7	41	6	n. 71 e.	37
Williston, N. Dak.	16	16	9	25	w.	16	San Juan, Porto Rico.	9	24	37	6	s. 64 e.	34
<i>Upper Mississippi Valley.</i>							Santiago de Cuba, Cuba.	34	12	29	1	n. 52 e.	36
St. Paul, Minn.	24	18	12	26	n. 67 w.	15	Santo Domingo, S. Domingo, W. I.	51	5	8	4	n. 5 e.	46
							Willemstad, Curaçao.	4	2	59	0	n. 88 e.	60

* From observations at 8 p. m. only.

† From observations at 8 a. m. only.

TABLE IV.—*Thunderstorms and auroras, January, 1901.*

TABLE V.—Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.75 in 1 hour during January, 1901, at all stations furnished with self-registering gages.

Stations.	Date.	Total duration.		Total amt. of precipi- tation.	Excessive rate.		Amount be- fore exces- sive began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Albany, N. Y.	11-12	1	8	3	0.74	5	6	7											*		
Alpena, Mich.	10			0.40														*			
Atlanta, Ga.	10-12			3.20														0.54			
Atlantic City, N. J.	10-12			2.09														0.24			
Baltimore, Md.	10-12			1.69														0.16			
Binghamton, N. Y.	11-12			0.30														0.04			
Bismarck, N. Dak.	15			0.01																	
Boise, Idaho	6-7			0.33														0.14			
Boston, Mass.	11-12			0.88														0.13			
Buffalo, N. Y.	8			0.45														0.19			
Cairo, Ill.	23			0.49														0.40			
Charleston, S. C.	8-4			0.87														0.10			
Chicago, Ill.	9			0.35														*			
Cincinnati, Ohio	10			0.20														0.10			
Cleveland, Ohio	11-12			0.38														0.07			
Columbia, Mo.	9			1.97														*			
Columbus, Ohio	23			0.17														0.12			
Denver, Colo.	29-30			0.05														*			
Des Moines, Iowa	9-10			0.59														0.13			
Detroit, Mich.	9-10			0.58														*			
Dodge, Kans.	9			0.18														*			
Duluth, Minn.	5-6			0.15														0.27			
Eastport, Me.	24			1.08														0.37			
Elkins, W. Va.	10-11			1.84														*			
Erie, Pa.	11-12			0.28														*			
Escanaba, Mich.	6			0.35														*			
Evansville, Ind.	9-10			0.58														0.24			
Fort Worth, Tex.	29			0.06														0.06			
Fresno, Cal.	6-7			0.61														0.15			
Galveston, Tex.	21			0.15														*			
Grand Junction, Colo.	25-26			0.36														0.10			
Harrisburg, Pa.	11-12			0.69														0.17			
Hatteras, N. C.	2-3			0.30														*			
Huron, S. Dak.	9-10			0.11														0.19			
Indianapolis, Ind.	9-10			0.42														*			
Jacksonville, Fla.	20-31			0.69														0.35			
Jupiter, Fla.	21-22	6.00 p. m.	11.04 a. m.	4.73	8.00 a. m.	7.30 a. m.	0.48	0.18	0.25	0.33	0.42	0.49	0.55	0.61	0.65	0.68	0.72	1.11	1.53	1.76	
Kalispell, Mont.	3-4			0.23														*			
Kansas City, Mo.	9			0.36														*			
Key West, Fla.	17			0.28														0.27			
Knoxville, Tenn.	10-11			3.19														0.31			
Lexington, Ky.	10			0.40														0.17			
Lincoln, Nebr.	9			0.19														*			
Little Rock, Ark.	9-10			1.11														0.58			
Los Angeles, Cal.	27			0.67														0.22			
Louisville, Ky.	10			0.26														0.14			
Macon, Ga.	11-12			0.48														0.29			
Memphis, Tenn.	23-24	10.10 p. m.	2.00 a. m.	1.84	10.20 p. m.	10.50 p. m.	0.01	0.05	0.10	0.32	0.55	0.70	0.78	0.81							
Meridian, Miss.	11			2.23														0.88			
Milwaukee, Wis.	9-10			0.54														0.08			
Montgomery, Ala.	11-12			1.75														0.75			
Nantucket, Mass.	11-12			0.98														0.08			
Nashville, Tenn.	23			1.08														0.65			
New Haven, Conn.	11-12			0.69														*			
New Orleans, La.	9			0.87														0.74			
New York, N. Y.	11-12			1.24														0.12			
Norfolk, Va.	11			0.40														0.15			
Northfield, Vt.	16			0.40														0.17			
Oklahoma, Okla.	9			0.51														0.07			
Omaha, Nebr.	9			0.21														0.12			
Parkersburg, W. Va.	16			0.12														0.09			
Philadelphia, Pa.	11-12			1.12														*			
Pittsburg, Pa.	9-10			0.45														0.18			
Pocatello, Idaho	6-7			0.38														*			
Portland, Me.	15-16			0.44														0.50			
Portland, Oreg.	12-13			2.01														*			
Pueblo, Colo.	29-30			0.21														0.23			
Raleigh, N. C.	11-12			0.57														*			
Richmond, Va.	11-12			1.20														0.24			
Rochester, N. Y.	10			0.50														0.13			
St. Louis, Mo.	9			0.54														*			
St. Paul, Minn.	9-10			0.34														0.16			
Salt Lake City, Utah	7			0.46														*			
San Diego, Cal.	7			0.61														0.30			
Sandusky, Ohio	11-12			0.38														*			
San Francisco, Cal.	6			1.75														0.41			
Savannah, Ga.	20			0.91														0.59			
Seattle, Wash.	12-13			1.26														0.21			
Spokane, Wash.	14			0.55														*			
Tampa, Fla.	17			0.54														0.35			
Toledo, Ohio	9-10			0.35														*			
Topeka, Kans.	9			0.11														*			
Vicksburg, Miss.	10-11	+	+	8.00	{	‡	‡	‡	‡	3.25	0.06	0.16	0.25	0.38	0.41	0.50	0.62	0.77	0.96	1.03	1.18
Washington, D. C.	11-12			1.67	{	5.11	0.06	0.28	0.31	0.40	0.54	0.63	0.82	0.88	0.93	0.95	0.97	1.02	1.10	1.18	
Wilmington, N. C.	2-3			0.89														0.17			
Yankton, S. Dak.	8-9			0.18														0.18			
Basseterre, St. Kitts	20-21			0.94														0.22			
Bridgetown, Barbados	14			0.78														0.38			
Cienfuegos, Cuba	13	4.20 p. m.	7.00 p. m.	0.77	4.28 p. m.	0.02	0.16	0.40	0.54	0.58	0.69	0.74									

TABLE VI.—Data furnished by the Canadian Meteorological Service, January, 1901.

Stations.	Pressure.			Temperature.			Precipitation.			Stations.	Pressure.			Temperature.			Precipitation.			
	Mean not reduced.	Mean reduced.	Departure from normal.	Mean.	Departure from normal.	Mean max. - min. num.	Mean.	Departure from normal.	Total.		Mean not reduced.	Mean reduced.	Departure from normal.	Mean.	Max. - min. num.	Mean.	Departure from normal.	Total.	Depth of snow.	
St. Johns, N. F.....	Ins.	Ins.	Ins.	o	o	o	o	o	7.08	+1.14	2.3	o	o	o	o	o	Ins.	Ins.		
Sydney, C. B. I.....	29.66	29.81	-0.08	21.6	-2.2	28.9	14.3	6.98	2.17	9.0	29.24	29.98	-1.10	16.1	2.3	27.0	5.3	3.93	+0.77	35.0
Halifax, N. S.....	29.77	29.89	-0.07	24.3	+2.5	31.6	15.1	6.98	-2.17	1.05	29.26	30.01	-1.10	7.6	+4.5	18.8	-3.5	0.84	+0.03	8.4
Grand Manan, N. B.....	29.85	29.90	-0.09	23.1	-0.8	30.9	15.8	7.64	+2.37	35.4	29.21	30.13	-0.06	-3.5	+3.8	7.6	-14.5	0.81	+0.15	8.1
Yarmouth, N. S.....	29.82	29.90	-0.12	26.8	0.0	33.2	19.4	5.06	-0.16	20.3	29.12	30.10	-0.07	-0.6	+6.6	9.4	-10.6	0.90	+0.27	9.0
Charlottet'N, P. E. I.....	29.83	29.87	-0.09	19.2	+2.2	27.9	10.6	2.82	-0.59	11.4	27.03	30.07	-1.10	-2.0	+5.8	10.0	-5.9	2.29	+1.90	22.8
Chatham, N. B.....	29.87	29.89	-0.13	13.2	+3.4	23.6	2.8	4.58	+1.30	22.3	27.64	30.07	-1.12	15.4	+9.9	24.9	5.9	1.68	+1.35	16.8
Father Point, Que.....	29.89	29.92	-0.11	10.7	+2.7	19.2	2.2	1.64	-1.06	16.4	27.33	30.09	-1.10	9.3	+6.2	18.0	0.6	1.33	+0.71	13.2
Quebec, Que.....	29.61	29.97	-0.09	10.7	+1.6	18.8	2.6	2.75	-0.89	27.8	26.27	29.98	-2.21	16.6	+8.2	25.7	7.4	0.40	-0.17	4.0
Montreal, Que.....											25.22	30.10	-0.05	14.3	+2.2	21.6	7.1	0.88	-0.42	8.8
Bissett, Ont.....	29.35	30.04	-0.08	5.0	-1.4	17.7	-7.7	1.88	-0.18	18.3	27.53	29.97	-1.18	13.0	+11.2	23.2	2.8	0.46	-0.27	4.6
Ottawa, Ont.....	29.61	29.95	-0.12	11.7	+2.1	21.6	1.8	3.31	+0.81	31.1	28.37	30.07	-0.08	-4.2	+4.2	5.9	-14.3	0.82	-0.63	3.8
Kingston, Ont.....	29.66	30.00	-0.08	19.6	+2.5	28.0	11.3	1.83	-1.93	10.6	28.20	30.10	-0.06	-1.0	+4.9	8.4	-10.3	0.85	+0.47	8.5
Toronto, Ont.....	29.60	30.01	-0.08	24.1	+2.7	31.5	16.7	2.47	-0.04	16.9	28.79	30.14	+0.04	22.8	+0.3	29.9	15.8	0.90	+0.04	9.0
White River, Ont.....	28.56	30.03	-0.08	1.8	+2.2	18.3	-14.6	1.73	+0.40	17.3	29.89	30.99	-0.01	29.0	+0.5	43.2	84.7	4.15	-1.53	4.3
Port Stanley, Ont.....	29.75	30.03	-0.06	24.9	+1.7	31.2	16.7	2.96	+0.28	18.7	25.50	30.02	.....	14.9	+2.9	22.4	7.4	4.40	+1.69	44.0
Saugeen, Ont.....	29.28	29.99	-0.07	23.7	+2.8	30.2	15.2	3.00	-0.46	20.4	29.82	29.98	-1.12	61.1	-0.9	66.2	55.9	9.71	+4.86	

TABLE VII.—Heights of rivers referred to zeros of gages, January, 1901.

Stations.	Distance to mouth of river. Miles.	Danger line on gage.	Highest water.		Lowest water.		Mean stage. Monthly range.	Stations.	Distance to mouth of river. Miles.	Danger line on gage.	Highest water.		Lowest water.		Mean stage. Monthly range.		
			Height.	Date.	Height.	Date.					Height.	Date.	Height.	Date.			
<i>Mississippi River.</i>								<i>Cumberland River.</i>									
St. Paul, Minn. *	1,934	14	1.3	8	0.2	28, 30, 31	0.8	Burnside, Ky.	434	50	28.3	18	2.2	30	6.7	26.1	
Reeds Landing, Minn. *	1,884	12	4.4	6, 7	2.9	19	3.7	Carthage, Tenn.	257	40	24.8	15	4.0	10	8.6	20.8	
La Crosse, Wis. *	1,810	12	4.4	6, 7	2.9	19	3.7	Nashville, Tenn.	175	40	27.4	16	6.7	10	12.6	20.7	
Prairie du Chien, Wis. *	1,759	18	—	—	—	—	—	Clarksville, Tenn.	188	42	30.4	17	9.6	10	16.0	20.8	
Dubuque, Iowa. *	1,699	15	—	—	—	—	—	<i>Arkansas River.</i>									
LeClaire, Iowa. *	1,600	10	7.1	20	2.0	1	4.6	Wichita, Kans.	726	10	1.9	16-25	1.5	1	0.4	0.4	
Davenport, Iowa. *	1,593	15	7.1	20	2.0	1	4.6	Webbers Falls, Ind. T.	418	23	4.0	14	1.9	9-11	2.4	2.1	
Muscatine, Iowa. *	1,562	16	6.0	7	3.1	1	4.3	Fort Smith, Ark.	351	23	5.1	15	2.5	31	3.1	2.6	
Galland, Iowa. *	1,473	8	1.8	11, 12	1.0	1-5, 7-9	1.8	Dardanelle, Ark.	256	21	4.8	17	2.4	8, 9	3.2	2.4	
Keokuk, Iowa. *	1,468	15	3.5	5	—	0.1	1.2	Little Rock, Ark.	176	23	7.0	14	3.6	31	5.1	3.4	
Hannibal, Mo. *	1,402	13	8.4	16	—	0.4	3.4	<i>White River.</i>	150	26	6.7	16	8.3	10, 30, 31	4.4	8.4	
Grafton, Ill. *	1,306	23	5.3	21-23	2.2	—	4.3	<i>Yazoo River.</i>	80	25	18.3	11	11.8	1	14.3	6.5	
St. Louis, Mo. *	1,264	30	5.7	15, 18	0.6	—	4.0	<i>Red River.</i>	Arthur City, Tex. *	688	37	4.7	15, 16	4.6	17-31	4.6	0.1
Chester, Ill. *	1,189	36	3.8	16	0.0	—	2.4	Fulton, Ark.	565	28	7.6	14	4.8	31	5.9	3.8	
Memphis, Tenn. *	843	33	18.8	24	6.3	1, 14	10.6	Shreveport, La.	449	29	6.8	18	2.0	11	4.3	4.8	
Helena, Ark. *	767	42	24.7	25	10.2	1	15.7	Alexandria, La.	189	33	7.8	14	0.9	10	4.7	6.9	
Arkansas City, Ark. *	635	42	25.7	26	12.9	2, 8	17.3	<i> Ouachita River.</i>	Camden, Ark.	340	39	28.2	14	7.1	30	11.9	16.1
Greenville, Miss. *	595	43	21.5	27	10.3	2, 8	10	Monroe, La.	100	40	18.1	24, 25	12.5	10	15.7	5.6	
Vicksburg, Miss. *	474	45	23.9	28	10.9	9, 10	15.2	<i> Atchafalaya River.</i>	Melville, La.	100	31	23.9	20, 31	15.0	7-11	18.9	8.9
New Orleans, La. *	108	16	8.0	30	4.2	6-8	5.6	<i> Susquehanna River.</i>	Wilkesbarre, Pa.	178	14	11.5	16	7.5	29-31	8.4	4.0
<i>Missouri River.</i>								Harrisburg, Pa.	70	17	3.5	15	1.2	8	2.0	2.8	
Bismarck, N. Dak. *	1,309	14	8.3	1, 2	0.8	21	1.9	<i> W. Br. of Susquehanna.</i>	Williamsport, Pa.	35	20	4.5	14	1.0	5.6	2.4	3.5
Pierre, S. Dak. *	1,114	14	—	—	—	—	—	<i> Juniata River.</i>	Huntingdon, Pa. *	80	24	4.3	12	3.0	1-3, 9-11	3.5	1.3
Sioux City, Iowa. *	784	19	—	—	—	—	—	<i> Potomac River.</i>	Harpers Ferry, W. Va.	170	16	4.4	14	1.9	4-10	2.7	2.5
Omaha, Nebr. *	669	18	6.7	21, 22, 24, 25	3.0	1	5.8	<i> James River.</i>	Lynchburg, Va.	257	18	7.2	13	0.5	5-10	1.6	6.7
St. Joseph, Mo. *	481	10	0.7	25, 29-31	3.1	2	0.4	<i> Roanoke River.</i>	Richmond, Va.	110	12	6.5	13	-1.2	21-24	-0.1	7.7
Kansas City, Mo. *	388	21	6.8	23	3.7	11	5.3	<i> Weldon, N. C.</i>	90	40	30.7	14	8.3	8-11	11.2	22.4	
Boonville, Mo. *	199	20	6.5	8	3.6	15	4.7	<i> Cape Fear River.</i>	Fayetteville, N. C.	100	38	15.4	14	4.0	9	7.3	11.4
Hermann, Mo. *	103	21	5.8	13	2.1	7	4.1	<i> Etowah River.</i>	Edisto, S. C.	75	6	5.9	7	4.8	31	5.0	1.6
<i>Illinois River.</i>								<i> Pedee River.</i>	Cheraw, S. C.	145	27	22.6	14	2.1	11	5.8	20.5
Peoria, Ill. *	135	14	9.2	17, 24, 25	7.7	5-9	8.5	<i> Black River.</i>	Kingtree, S. C.	60	12	11.2	7	7.7	1	9.1	8.5
<i>Youghiogheny River.</i>								<i> Lynch Creek.</i>	Effingham, S. C.	35	12	10.6	8	5.8	16	8.1	4.8
Confluence, Pa. *	59	10	4.2	12	0.7	5-9	1.8	<i> Santee River.</i>	St. Stephens, S. C.	50	13	8.7	8-12, 25	7.9	17-19, 31	8.4	0.8
West Newton, Pa. *	15	23	5.8	13	0.7	6	2.2	<i> Congaree River.</i>	Columbia, S. C.	37	15	5.1	14	0.4	9, 10	1.8	4.7
<i>Allegheny River.</i>								<i> Wateree River.</i>	Camden, S. C.	45	24	22.0	14	4.8	11	8.6	17.2
Warren, Pa. *	177	14	5.1	18	1.8	9	2.6	<i> Waccamaw River.</i>	Conway, S. C.	40	7	5.8	6-8	4.0	1, 29-31	5.0	1.8
Oil City, Pa. *	128	13	9.0	11	1.5	8, 9	3.1	<i> Savannah River.</i>	Calhoun Falls, S. C.	347	32	6.0	13	3.1	28, 29	3.7	2.9
Parker, Pa. *	73	20	7.2	18	1.4	6-8	3.2	<i> Broad River.</i>	Augusta, Ga.	208	32	23.5	13	8.4	10	11.9	15.1
<i>Monongahela River.</i>								<i> Flint River.</i>	Carlton, Ga.	30	11.5	13	2.6	9, 10	3.8	8.9
Weston, W. Va. *	161	18	3.8	12	0.0	14-10, 16-18	0.5	<i> Chattahoochee River.</i>	Albany, Ga.	80	30	18.1	4	4.0	31	9.6	14.1
Fairmont, W. Va. *	119	25	7.8	13	1.2	9, 10	2.4	<i> Westpoint, Ga.</i>	239	20	15.0	13	3.8	10	6.1	11.2	
Greensboro, Pa. *	61	18	12.5	18	7.5	8	8.7	<i> Ocmulgee River.</i>	Macon, Ga.	125	20	13.7	3	4.3	21	7.4	9.4
Lock No. 4, Pa. *	40	28	15.5	18	7.2	10, 21	9.0	<i> Oconee River.</i>	Dublin, Ga.	60	30	13.9	6, 7	4.6	25	8.4	9.3
<i>Conemaugh River.</i>								<i> Coosa River.</i>	Rome, Ga.	225	30	27.0	13	2.8	10	8.3	24.3
Johnstown, Pa. *	64	7	3.8	11	1.3	6, 8	2.3	<i> Alabama River.</i>	Gadsden, Ala.	144	18	22.4	13	3.2	10	9.9	19.2
<i>Red Bank Creek.</i>								<i> Montgomery, Ala.</i>	265	35	37.7	15	6.8	11	18.8	30.9	
Brookville, Pa. *	35	8	2.4	12	1.4	1-9	1.8	<i> Selma, Ala.</i>	212	35	40.0	17	8.1	11	22.7	31.9	
<i>Beaver River.</i>								<i> Tonawanda River.</i>	Columbus, Miss.	203	33	23.7	15	0.0	9	8.5	22.7
Ellwood Junction, Pa. *	10	14	4.6	12, 13	3.1	18	3.7	<i> Demopolis, Ala.</i>	155	35	49.6	21	8.7	10	30.4	40.9	
<i>Great Kanawha River.</i>								<i> Black Warrior River.</i>	Tuscaloosa, Ala.	129	43	56.5	13	8.3	10	22.8	48.2
Charleston, W. Va. *	61	30	17.0	13	4.6	22, 29	6.9	<i> Brazos River.</i>	Waco, Tex.	369	21	-0.1	1-5	-0.2	6-31	-0.2	0.1
<i>Little Kanawha River.</i>								<i> Copper River.</i>	Kopperl, Tex.	301	22	1.1	1-7	0.9	22-31	1.0	0.3
Glenville, W. Va. *	100	24	3.9	12	-1.4	9, 10	1.5	<i> Columbia River.</i>	Umatilla, Oreg.	270	25	5.5	1	2.5	31	8.7	3.0
<i>New River.</i>								<i> Willamette River.</i>	The Dalles, Oreg.	188	40	9.4	14, 15	5.1	12	6.9	4.8
Hinton, W. Va. *	95	14	7.8	13	1.8	8-10	2.8	<i> Albany, Oreg.</i>	99	20	30.5	15	5.6	31	10.4	24.9	
<i>Cheat River.</i>								<i> Portland, Oreg.</i>	10	15	20.9	17	3.8	31	9.2	17.1	
Rowlesburg, W. Va. *	86	14	5.6	12	3.0	20	4.0	<i> Sacramento River.</i>	Red Bluff, Cal.	241	23	19.4	4	4.8	29-31	8.1	15.1
<i>Ohio River.</i>								<i> Columbia River.</i>	Sacramento, Cal.	70	29	22.7	16	16.0	8.4	21.5	6.7
Pittsburg, Pa. *	966	22	12.5	14	2.0	8	5.8	<i> Alabama River.</i>									
Davis Island Dam, Pa. *	960	25	18.0	13	4.0	6-8	6.8	<i> Tonawanda River.</i>									
Wheeling, W. Va. *	875	26	18.0	14	4.4	9	8.4	<i> Oconee River.</i>									
Parkersburg, W. Va. *	785	36	17.8	15	3.5	7	8.8	<i> Coosa River.</i>									
Point Pleasant, W. Va. *	703	39	23.6	15	4.2	11	9.9	<i> Waccamaw River.</i>									
Huntington, W. Va. *	680	50	26.6	15	7.5	11	13.7	<i> Savannah River.</i>									
Catlettsburg, Ky. *	651	50	28.2	15	6.0	11	13.1	<i> Broad River.</i>									
Portsmouth, Ohio. *	612	50	27.5	16	7.4	11	14.0	<i> Flint River.</i>									
Cincinnati, Ohio. *	499	50	28.8	17	9.6	11	15.8	<i> Chattahoochee River.</i>									
Madison, Ind. *	413	46	24.0	17	9.6	11	14.4	<i> Westpoint, Ga.</i>									
Louisville, Ky. *	367	28	10.5	17, 18	5.7	11	7.6	<i> Ocmulgee River.</i>									
Evansville, Ind. *	184	35	21.1	20	8.7	12	12.8	<i> Oconee River.</i>									
Paducah, Ky. *	47	40	24.2	21	9.6	11	14.9	<i> Flint River.</i>									
Cairo, Ill. *	1,073	45	26.8	21	11.7	12	17.6	<i> Chattahoochee River.</i>									
<i>Muskkingum River.</i>								<i> Westpoint, Ga.</i>									
Zanesville, Ohio. *	70	20	11.6	13	6.6	5	8.0	<i> Ocmulgee River.</i>									
<i>Scioto River.</i>								<i> Flint River.</i>									
Columbus, Ohio. *	110	17	5.2	12, 13	2.8	1											

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